

ROBS' WORK

CASES

USE CASES

BOOK REVIEWS

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System Analysis Documentation

Roberto Davis Palomo

Preface:

This collection of case studies, use cases, and book reviews are dedicated to my family, to my special someone and my friends who serves as an inspiration to me, and the one who motivates me to study hard and focus on my goals. And especially to my FD who drives me to school everyday and who serves as racing and drifting tool for me. And the Godfather Mr. Paul Pajo. The best professor for me, I learned different things from him, everything about system analysis and basics from system design.



From my words I really work hard for this, even though Mr. Pajo gave a lot of requirements, I really appreciated everything of his requirements because it taught me a lot of things and since I love his subject I really enjoyed working with it. To my mentor, you're great for implementing this kind of shizzle, I enjoyed doing it and you gave me more reasons to my smile.

The second mentor, my mom you are the greatest mom of all, thank you for all the things that you gave to us and all the richness you have. Without you I will not be able to produce this book. And more power to our businesses, my mom is the superior that runs the business. She's very successful, your intelligence brought us to the good life super thanks mom.

And the most superior of all, god thank you so much for the second life. You mean everything to me. happiness and the bad times, and knowing that your always besides me. You are the greatest of all.

Case Study

Case Study: Max Levchin

As we all know paypal is the largest online paying system that is widely used around the globe. It helps people to pay their bill from online shopping, but knowing the system will actually learn several lessons from the maker of paypal. First thing that I learned from the history of paypal is even if you're not a college graduate you can actually be successful in life, like Max Levchin. After few terms from college he decided to build his own company through his knowledge and also with his friends. Building a successful system takes a lot of effort and mistakes. Levchin started from scratch he made different programs before coming up with a good system. Perseverance is the second thing that I learned from him, because he actually came up with a different program that will help us but he thought of the different impact and uses of it. So he did all the programming to come up with this. Last thing is thinking of the money of other people plays a big role for levchin, it is not always about money but the assurance and the trust of the customers for levchin. Internet security is very hard, same with levchin. Paypal is dealing with money, this system will secure every transaction done by the consumers. So we should always set aside money but deal with the customers accordingly and always think of your customers not just by your own.

Case Study: Sabeer Bhatia

Hotmail was very popular nowadays because of its different features like yahoo. It was started by Sabeer Bhatia and Jack Smith partners from apple where the idea originally came up. Both of them helped each other to be successful with their project, but different problems came. Still they continued the project, to help us connect around the world. Building this web-based system is hard, but passion made them someone that is history. Before letter sending is a bit hard but now in a matter of seconds you can send it anywhere. Taking risk is part of this project; don't be scared if you are confident in doing something, because this will help you to become someone. Someone that made history through inventions, even doing little things can

actually helped you. Lastly is pushing you're self to the limit, don't just sit their and do your task. Get out of the box and try to learn different things that will help you to see in your eyes different perspective of something you like (system programming). This story will help us to strive hard in our life, enjoy your passion and make difference using your knowledge.

Case Subject: Steven Wozniak

Steven Wozniak is the co founder of apple. As we all know apple is one of the prestige company in producing high-end computers. Being an apple co founder will take a lot of pride and effort to do. One thing that I learned from the story is education is very important in every all aspect of life. Like Steven he dropped out to school but eventually after years of working, he realized that a degree is important in doing such a business like the apple. Second thing is pride; in starting a company like apple you need a big money to start it. You need to sacrifice some other things for your dream. Like selling old stuffs and some important belongings to raise money. Last thing is bright idea or creative mind to be successful, because it will help your product to be well known and to have a trademark that will help it to lift up its name to the global market.

Case Subject: Joe Kraus

Joe Kraus is the co founder of Jotspot. Jotspot is basically wiki emails that will Enable us to hold many users. It's like a yahoo group but it's more advance. First things first, you have to set a goal in order for you to be successful with something. Setting some type of it will help you learn a lot of things; example is when you had a mistake, after that you'll realize that this should not happen. So the next time you will be doing the same task, you know already how to do it in a correct manner. Wiki, after a long time now I know what a wiki is. Before I honestly don't know what a wiki is. Wiki is actually a page that can be edited by anyone. Last thing is trust; you need to have that characteristic for you to build a wiki, because that is wiki all about.

inherent trust mechanism, as everyone is an employee of that company. Importantly, there is an enforcement mechanism as well; people can be fired. As a result, you have a much easier time establishing the basis upon which a Wiki can work, which is trust. That is why you see Wikis being more successful and popular behind the firewall. In this case every aspect of life is counted for you to have a successful.

Case Subject: Dan Bricklin

Dan Bricklin also known as "the father of spreadsheet". Man with a wise decision. With every decision that he made, everything just came out in a polished output. After spending sometime in math, he realized to shift in work place of computer studies. For most of us that money is what we need, not for bricklin. To make life easier is the important thing for him. That why he dint let to patent his work and that will give way to other developers to develop bricklins work for us. So for me bricklin is right, set aside the buck and work for other people that will benefit the most. Yeah but sometime we need some bucks for us to develop something. So if you can afford it, just raise some funds for you. And learning new thing is actually good. With bricklin he loves to learn that why he acts like that. He wants learn and learn. That how he became more like close to successful.

Case Subject: Mitchell Kapor

A brief history from Kapors, he is the co founder if lotus Development and the developer of VisiCalc. Being with the IT field is a bit of risk, because we usually deal with different people in here. This is what exactly happened to Kapor, he deal with different people. The good thing is he is a good decision maker. He knows whom to deal with. His also not after the money but the product he can make. And he persevered to study computer science, since he was a management graduate. A good thing with Kapor is he extends his knowledge, he actually go out of the box to explore different things using the extent of his knowledge. Lastly is his being independent, he doesn't want to force other people to like him. He is after the product that he can

make alone and the creativity that he can make throughout the whole project. All I can say is they're all the same, for starters like them. They actually have the same stories but different scenarios.

Case Subject: Ray Ozzie

A little bit of introduction, Ozzie is the founder of Iris associates and Groove Networks. Building this two-company take a lot of pride a true passion. Really dealing with computers is a bit of mess. One thing I learned from Ozzie was dealing with people is a bit hard, because you actually don't know each other. Bonding is one way to know each other. Different ideas for Ozzie are very important, that's why they produce these kinds of computer software's. One way to know each other is a unity, something you all usually do. Like programming stuffs, these will help us guys a lot. Second thing is management; you should know how to manage everything, especially your staff and different things that is related to the project. Managing investors is the very important thing, but at first you have to fund yourself. And after the project was done try to communicate with other people and show them what your project is all about. Additional thing, never do it for money according to Ozzie.

Case Subject: Tim Brady

A brief story about Brady, he is the non-founding employee of yahoo. Yang and Filo asked him to do a favor for yahoo. Then they decided to be partners and continue what they planned since college. And yet then didn't expect that yahoo will become this big. If Brady didn't grab this opportunity surely he will miss what yahoo is undergoing right now. That's a lesson for me, because sometimes we have to set aside other things for our future. Like Brady he focused more on doing the stuffs for yahoo, after that he continued his thesis for masteral. Second thing is focus first on something that is more important, like us college students we usually fool around. Why not do something productive, like a small business that will help you to earn some money for some stuffs for college. Lastly are pros and cons, everything has it, but eventually you will overcome it and find the best system that will minimize it. Most of the time start up of porn's usually ending up raising money, because usually

teenagers are the customers of porn sites. So we also need to improve the security of porn sites.

Case Subject: Mike Lazaridis

Actually what is motion? , I is a company that sets a local area network for a company. Mike Lazardis together with his friend Doug Fregin, they started this when they are still in college. First we need to appreciate things that were not appreciated by others. Like networking no one is expecting that it will click in the future, and that was an advantage to someone who has creative minds. Creativeness and appreciation can be helpful for someone who will create a start up, because it'll help you to build the perfect system that will help you in the future. Something that you never expected to happen, like an imaginative start up. Lastly is Time management, this is actually very important to all, because we should know how to manage our time efficiently. Time wasting is very dim, we should divide our time by how you do things. Example is while waiting, why not read something. At least in a short period of time you learn something not so particular.

Case Subject: Arthur Van Hoff

One thing I learned for Van Hoff is you have to keep moving forward. Don't just be contented with something you can still mobilize and improve, because you never know what you can do with experimenting. Actually all start up are just the same stories, but different scenario. Second thing that I learned from the story is sometimes you have to choose for the best, and as a consequence you will hurt other people from such thing. Like with what happened when they are about to leave sun, Mcnealy got angry with them for the reason that they are about to leave sun. the impact of the incident is like they just used Sun Microsystems, but actually they have original plan and they don't want to end up in Sun.

Case Subject: Evan Williams

Williams, Cofounder of Pyra Labs accidentally became successful with blogger. First thing is for sure; sometimes over rating the product helps it to be more useful. Like with pyra labs blogging was not their field but it is actually the one that helped them to be well known. Yeah actually sometimes accident with this kind of scenario will turn out good things to best things. Patience with the project, because with this kind of field everything is a risk, you don't know if it's going to click or not. That what we hate, it's like managing a business. You have to be strong with everything, never rush things; everything will come out perfectly just the way you want. Lastly are competitors, never let them step on you. Stand up and raise your flag. Always go for the best and beat them through you knowledge.

Case Subject: Paul Buchheit

Paul Buchheit is a non-founding employee of Google, but an 23rd employee. He is one of the developer of Google applications and the creator of Gmail. Being a non-founder of a start up is nothing. Its about the idea that you can do and create. Buchheit is a big-minded person. He thinks of something that can make life easy. Like putting an email that can access anywhere and can search email address of different person. And something that is very good with Buchheit he thinks and codes every idea that he came up. And push through things that he thinks that will be useful for everyone. Sometime accidents do happen, and you'll never what this could bring to you. Like almost of the programmers there start up came from trashes of ideas that built into a creative brilliant one. That's how everything actually started. So we need to always appreciate everything, like a simple knowledge. Building an application is easy but the concept is the biggest factor. I just realized that there is application that has the same use, but the best will be the consumers' choice.

Case Subject: Steve Perlman

Like scientist Perlman is also curious with everything. So he built this WebTV. Like what if we put something to this, things that can actually impossible to work with something, like a unique feature. But look at how technology now a days, everything is so easy. Like the Internet search engine, before you still need to go to a library. And you will see how technology runs everything, and how it affects everyone. Sometimes I used to think, do technology really good to us? Something like that, because it is so easy to cheat on everything. Nothing I just realized that, second thing is time management, as you read the story of Perlman you will learn how he manage his time. His working hours is actually more over his rest time. Actually it's a bit wrong, because you also need to have a rest. You should do things right with properly taking care of your health. Lastly is passion almost every story of founders and an employee of a well-known start up actually has this thing. Well actually if you don't like with what you are doing, you will not be successful with it. This passion drove Perlman a little bit crazy, because all of his time is to his work. I don't know how his wife can cope with it. But the real thing is no one can stop us to our passion nor hindrance to help you become well known. Passion will bring you to the good life. Something like you can afford everything, but well it's not always about money.

Case Subject: Mike Ramsay

Something like doing a start up you should always think how the average consumers would understand a need of your start up. In this way, your product will be more tempting to the consumers because everyone be having a good idea to have one. Like the purpose of buying the product and are they going to use it always. Like the TiVo, if it is going to be available here in the Philippines I will also get one of it. Because it's so useful for me since I always watched television programs. In that case I can balance my time in studying thoroughly and after that I can watch the movie that I wanted. It has a big help, because in a way you can do your priorities first, because you have the control of your cable. Next thing is you need to know all the aspects of the business world. In this case you can produce the product that will be valuable for everyone. Something that can be afford by everyone, like the Iphone right now. The second generation of Iphone is cheap, because the apple CEO wants his product to be

use by everyone. That's how brilliant he is, in a way your product is a necessity. Lastly is IT in building application you should consider this things, and the ten commandments of programming.

Case Subject: Paul Graham

E-commerce at that time was so unique; one thing we should consider in doing such start up is the originality of the software. At that time no one is expecting That a system like that will come out, because it's actually trading through the Internet. its a bright idea I can say, no one is going to come up with that idea without knowing the capacity of the internet and also the creativity from concepts. Next thing is sometimes you have to sell your product if you cant actually put funds on it. its actually a good thing, because bid company like yahoo buys' some application from different makers. In this case your start up will become more popular to consumers around the world. In a way you will be credited for such a brilliant idea, and through hard work you will be recognized. Last thing is friend; sometime in this kind of work you need to chose the people you are going to work with. To avoid problems, while making the project. And you should consider some rules; you should actually concentrate with your work and be serious to finish your goals.

Case Subject: Joshua Schachter

Schachater is the founder del.icio.us Schachter wants his life to be easy so as with other people. So his start up is creative indeed for us to search ling in an easy way. Through tags, I tried this one before and I'm not actually amazed but its cool. Competitors are present at that time but he assure that his work is the best and no one beat him. In this case you also need to know how to raise your money through your work and to venture with other people or companies for you to have more clients and people to support you. Like in case of apple they venture with Intel to produce high quality products. Look at them now many people are looking forward to them. Also using other idea like Wenger a guy introduced to Joshua, he was good in corporate operations; he helped a lot in the company. Like with what I am saying your employees will help you a lot in running your business, so you should treat them in a

good way. Without them you will be nothing, and like a company it's a team you should move as a team.

Case Subject: Mark Fletcher

Fletcher was an employee of Sun Microsystems before, when he started ONE list as his sideline. I learned that when starting an application you should have proper knowledge with what you are doing, and you should know all the things that you should consider. When everything is set, you all need the help of others, remember no man is an island. You can't always stand-alone, knowledge of others will really help. Like companies employee, a company will never be something without its employees. Poor communication skill will also affect you, like with what happened to Fletcher he was dinged as having poor communication skills. In managing your company and talking to other people you should be good with it. You should have the confidence, and the thing that will motivate your customers and investors.

Case Subject: Craig Newmark

Sometimes you have to improve some things for you to have the best opportunity. Like with Newmark before Craigslist he started an email but then he shifted to website plus categories, because he knew that his start up has potential of creating such a big name in the IT world. Through hobby you can create something big, actually Craigslist is just a hobby before when it morphs to real business. Like me for example I'm a car hobbyist, then I realized I want to put a business for cars and parts. Now my friends and I are planning to have a car shop soon after college and I just realized that I can use my knowledge in IT and use it into cars. Like a car simulator and a car design program that will help our future customers.

Case Subject: Caterina Fake

Love will never be a hindrance to put a start up, like what happened to Stewart and Fake before the start up they got married and started the business after a short time. What's actually good with this is you both have understanding with each other,

through this you can share knowledge about everything and without hesitating the feeling of arguing, if you correct each other. And through this you can work easily, you can do whatever you want and you can apply everything with it. something good about open not just a couple but also business partners. And when starting a project you must consider some things like who will use your business if its already been built or is it going to be useful or meaningful?

Case Subject: Brewster Kahle

With what I have read from his story you should always prioritize your work before doing anything that is not important. Through this you can do your work efficiently without affecting the company, because the company works as a team so you should emphasize the team work with here. Next thing is creativity like the thinking machine the concept was on the past but the use is for the present. Like the tivo the concept is the past old school beta max but right now it is widely used all over America. That's' what creativity can bring turn things to an-unusual things. Next thing is goal in dong a project you should always have a goal, because it helps in motivating you to finish your project at the same time the quality that you will produce. Like with kahle WAIS has a goal but it will take years to finish it, but what happened after setting a pre-defined goal his work sold for like millions.

Case Subject: Charles Geschke

I learned from the story that being a straightforward will really help. Its like setting a goal and through this you are willing to sacrifice everything for your goal. Success will be the output for this, because putting a lot of effort is a must for creating a system like adobe. And you should have the skills talking to your investors to motivate them in investing to your project. Confidence is also a criterion, geschke has the confidence or should I say trust to his self because he knows that it's going to work and be brought out to the market. As we will see right now adobe is actually number one imaging tool in the market and it's so advance. A lot of people is using it not only in the office but also at their house. So I can fairly say that he succeeded, and also for the reason that adobe is well known.

Case Subject: Ann Winblad

Winblad is a girl but its not a hindrance for her to become successful. When she was in college she is a top student so she had some special treatment in school. Then it motivates her to be more focus on her studies. And yet became successful to her works. The help of small money and proper knowledge is the building blocks of where she is right now. Interacting with different system will help you move freely, its like connection if you had a problem you can coordinate with sub systems. That's a good thing with open system; unlike the close system it only allows the flow of one system. Next thing is trial and error; with this situation you can actually build your system to the most perfect condition it can be because all the errors can trace and try different methods of running the system to its best way.

Case Subject: David Heinemeier Hansson

Being in the IT industry will take a lot of effort and you need to sacrifices some things that you do not need. And proper knowledge will help you, like with Hansson while working he is still finishing his degree. And we all know that in that condition you need to put a lot of effort to finish everything. Through transformation you can help a lot of people. First are the clients and second are the employees, because transformation means expanding through this your product will be available almost all of the clients and through expanding you need to hire more employees to help you run your company. Lastly is the customers' feedback, because through this you will know what they want and their comments.

Case Subject: Philip Greenspun

The founder of the artsdigita was Philip Greenspun, the artsdigita is a popular photography site and also released a software for users. And soon deluged to big companies for additional customize features. The one who motivates hem is actually the users, the concept of connecting people through internet, like facebook everyone around the world is actually bridged the gap of the people. So right now nothing is

impossible. The problem before was standard system, so he use the concept of internet for building application and can be use by everyone no matter what system you are using. As long as you have an Internet you can do it. People used this because they can actually share photos or use this software to be creative in a sense. And they want to learn different things excluding the old technology. Like what I have said internet is useful to all of us, it can make your life easy with less hassle. If this start up is just a proposal the existing system is a photo album, like multiply this is a managing tool for photographs and other image type. Actually everything can start in a third world country, nothing is impossible. Even though that there are poor countries still many people use technology to develop the country and basically run it. But the bad thing about this system, they flunked down after different conflicts arose, so we should actually consider different things in building start ups.

Case Subject: Joel Spolsky

Joel Spolsky together with Michael Pryor founded fog creek in 2000. This start up is different because the programmers are the stars, and yeah it's a blog that will enable users to read different thoughts of other people. This is now a popular blog that gets much attention by common people and as we all know blogging is very popular right now around the world and you can actually earn money through this. Spolsky motivated by other people doing certain type of things, he then realized that he should be able to achieve at least their level of success. Those things will actually help you to become someone that will treasure the things you have done and the words came out to you. Its not always about the money you earned but more of your teachings. Problems went through the process but they managed it properly. The significance of the start up is to enable people to utilize the use of technology and to apply it to different aspects. Talking about Internet, it is basically the number one thing that is needed for most start up? Why because it bridges the gap between country to countries. Yeah Internet is a very useful thing. For me right now I cant live without it. Lastly is the company has good profile and they never took any outside investment.

Case Subject: Stephen Kaufer

Kaufer is the founder of Trip Advisor together with Langley Steinhart, Nick Shanny and Thomas palka. Trip advisor is a start up that enables travelers to search things about the country plus the review from different user about hotels and places. It was a good idea because it will help travelers and researchers for specific things that they need to know about traveling. The idea came up when Kaufer and his wife is looking for a vaction spot. Reviews and brochure dint meet his criteria, so he planned of developing s site for travelers then Trip advisor came up. Problems went through but they are managed accordingly. Something unique about Trip Advisor is they actually get real travelers feed back, not just a fictitious words from Trip Advisor, and they are after the travelers comfort not for money. Internet plays a big role with this start up, because they went online and they want to be recognize to public through internet. And yeah many people will be satisfied with this because they have a real feed back, but theirs a down thing. We should also consider the customers taste and service actually change through. If this is a propsed system, the existing system will be a brochure system, because it has common features but online brochure will be more interesting for users. Well for third world countries it will be have a specific use, because even if they are in third world coutry they will still benefit from it and they still have good spot to encourage tourist to visit them. Like Philippines we are a third world country tourist still visits us.

Case Subject: James Hong

Mr. Hong is the founder of Hot or Not together with Jim Young his friend. Hot or not is a website that will let you submit a photo and users can actually vote the picture using scale of 1 to 10. Hot or not is a stand alone company, and though many offerings they still want the company to be own by them. Actually its just for fun, but then they realized that they can make money through it. That's why they developed the site and let other people use it. Sometimes when you're drinking you can realiz many things from it, like other painters who can work when they are drunk. Sometimes it's called out of the box, thinking ways in a different perspective. This start up simple yet you can earn big money, it's a good idea because of what the system can do.

Case Subject: James Currier

Currier was the founder of tickle, before called Emode, and online personality test for everyone. Actually different personality test and self-assessment for you to know your particular behavior, Another start up by Currier is Ooga Lab, digital media studio that develops customers Internet application. One problem they had are the consumers, they wanted to push the company to the limit to the point that they can give all the consumers what they need in terms of this kind of businesses. And as a starter you should show your clients all the confidants that you have and the creativity to have their satisfaction. And also the human energy, he wants all his employees to be full functional, that's why he works 20 hours everyday day.

Case Subject: Blake Ross

Blake Ross was the cofounder of Firefox together with Dave Hyatt, they started this application to put the limits on their own idea. Firefox is the best browser nowadays because they got what the consumer really wants. Fast, easy and reliable the key to the project for firefox, they got it right because right now everyone loves Firefox.

Case Subject: Mena and Ben Trott

The cofounder of Six Apart is a married couple Mena and Ben Trott. It's a funny thing that this couple had their own world to deal with; they don't have social life but a world of their own. They do go out but they don't enjoy it as much as they enjoy each others company alone. Mena loves to do blogging, the first blogging she had done was the Dollar Short in April 2001, she created the system because they needed it, they do things according to what they love and they desire to do, soon the product was released in the market and it was a blockbuster. The product is a movable type that made it popular. The second system they formed is LLC in July 2002 those two system didn't have any funding from VC's. When they finally had the funding from VC, they didn't immediately hire people, they used the fund as wisely as they can. They have a remote office, they wanted the system to be a user -friendly because

the movable type is downloadable software that will be installed in your server, this kind of software application is not applicable for a people who have less experience so she develop a system that is applicable to average people who will use it. In this story I was able to learn how to compromise with people from the things I do because I may affect people's life with simple things I do it may or may not help but it can affect so I have to take precautions.

Case Subject: Bob Davis

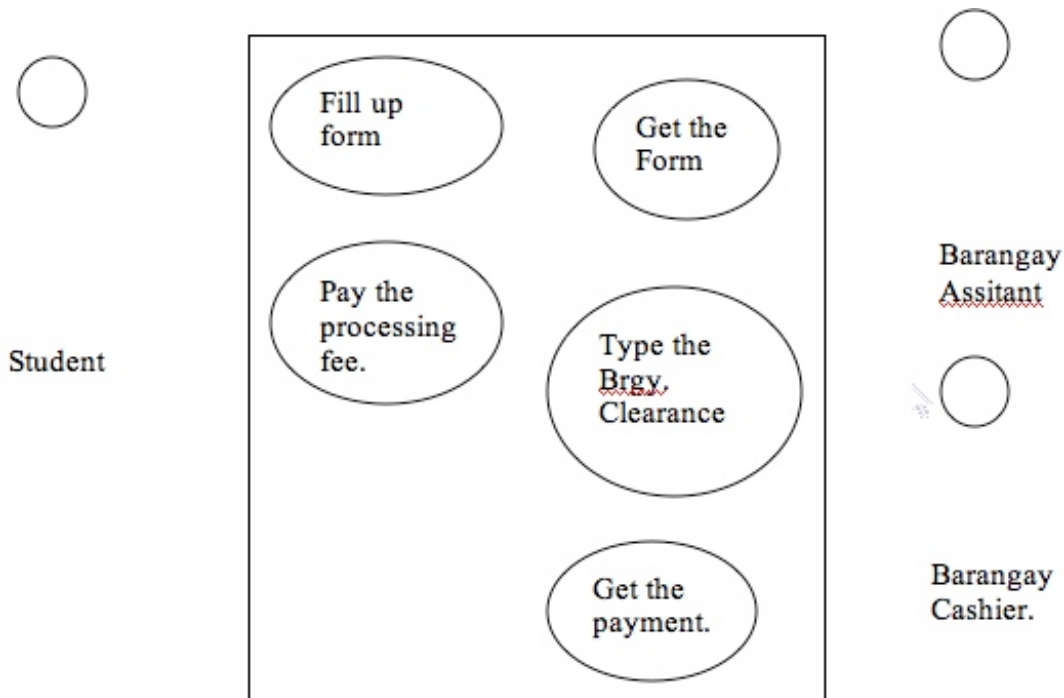
The founder of Lycos was Bob Davis, it was established in 1995. A huge achievement for Bob and his team to land at fourth place in the most popular site in the year 2002. It was a research project of a federal research grant, and the research scientist was Fuzzy. The first problem they encounter was hiring people, firing people and for them to understand the business model, how to satisfy the shareholders and other stuff those were some of the problems they encountered in the first nine months. They also had issues regarding the outcome of real vision of the Internet, because people are not aware it exist. They were able to think of an advertising strategy that will give more knowledge about the product and for people to be aware that such products exist. They also seek help from their employees, friends and families to advertise the product Lycos. For many years they are focusing on the user and the traffic in the network, they had succeeded in focusing on the priorities at the same time from their priorities not to let it pass a day. I learned that never be assured that after you surpass a problem its over. Having a business is not that easy you have to face a lot of struggles before you reach a success. You have to be patient and learn that things don't come easy.

Case Study: Ron Gruner

The cofounder of Alliant Computer System and Founder of Shareholder.com is Ron Gruner. The Alliant Computer System was founded in 1982 with Craig Mundie and Rich Andrew, the goal of this company is to build a parallel super computers that uses multiprocessing processor to hold the fastest CPU. They lead the market with next generation computers and that became the commodity. The company went to public in December 1986; Tom Perkins was one of the board trustess. Then in 1991 he left the company Alliant Computer System because of some disagreement and misunderstanding due to the growth of the company. After he left

this company he opened up company Shareholders.com, which was the reverse to the first company he worked for, because this company deals with web-base service business. The company was founded in 1992; he had couple of investor from a group of his friends and business associates. They had their first corporate customer, who was Campbell Soups; they really had to focus on the customers satisfaction, at the same time working on the web site. The daunting event that happened to Shareholder.com is when a big pharmaceutical companies want to carry out a project with them, because they can't afford to mess up with this company. And they're talking a lot of money with this. That is why they really worked hard for it. one thing I learned from them is problems are their to be solve. You should take everything seriously and apply the application of teamwork.

Use Case and Narattives



Identification Summary;

Title: Application for Barangay clearance system.

Summary: This use case diagram will show how the system of getting a barangay clearance.

Actors: Student and Barangay assistant,
Person In Charge: Barangay Assistant.

Flow of Events:

Preconditions:

1. You should be a member in radius of Barangay.
2. Money

Main Success Scenario:

- 1.The student will go to the barangay and ask the barangay assistant for the barangay clearance
- 2.After talking wait for 5 minutes for your name to be called and you will pay 10 pesos for processing fee at the cashier.

Alternative Sequence:

- 1.ask anyone to get it for you.

Error Sequences:

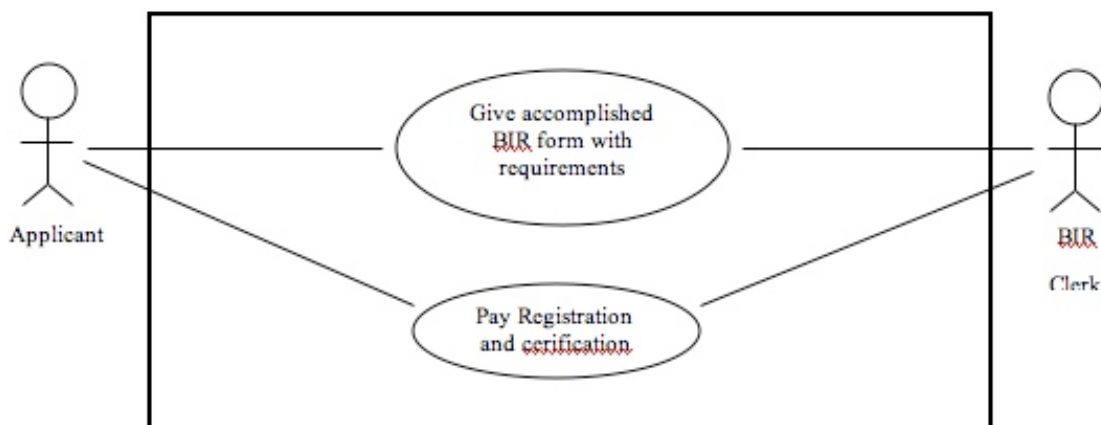
- E1 If You put a wrong name.
- E2. If You don't belong to the Barangay.

Post Conditions:

1. You should have no pending record.

Non-Functional Requirements (Optional):

1. Getting a Barangay clearance should be fast and efficient.



IDENTIFICATION SUMMARY:

Title: Applying for TIN number.

Summary: This use case diagram illustrates the system of application for the BIR Tin number.

Actors: Student, BIR Clerk.

Creation Date: January 31, 2008

Date of Update: January 31, 2008

Version: 1.0

Person in Charge: Roberto D. Palomo

FLOW OF EVENTS:

Preconditions:

- Applicant must be of legitimate age for employment.
- Applicant must have needed requirements.

Main Success Scenario:

1. Accomplish BIR Form 1901 and submit the same, together with the required attachments, to the Revenue District Office having jurisdiction over the registered address of the business establishment.
2. Pay the Annual Registration Fee (P 500.00) at the Authorized Agent Banks of the RDO.
3. Pay P 15.00 for the Certification Fee and P15.00 for the Documentary Stamp Tax (in loose form to be attached to Form 2303).
4. The RDO shall issue the Certificate of Registration (Form 2303).

Alternative Sequences

A1 – From 2

2a: Personnel gives a wrong form

3a: Applicant returns form and receives real form

A2 – From 3

3b: Applicant fails to answer clear fields in the form.

4b: Personnel refuses submission, applicant returns form upon completion of entries

A3 – From 4

4c: Applicant isn't available on given exam date and venue

5c: Applicant requests for alternative schedule; Personnel responds to request

Error Sequences:

E1 – From 1

1a: Applicant is a minor

2a: System fails; applicant can't continue exam application

E2 – From 1

1b: Office is closed

2b: System fails; transaction can't continue.

E3 – From 3

3a: Applicant fails to submit needed requirements

3b: System fails; applicant must first have the needed requirements for submission

Post Conditions:

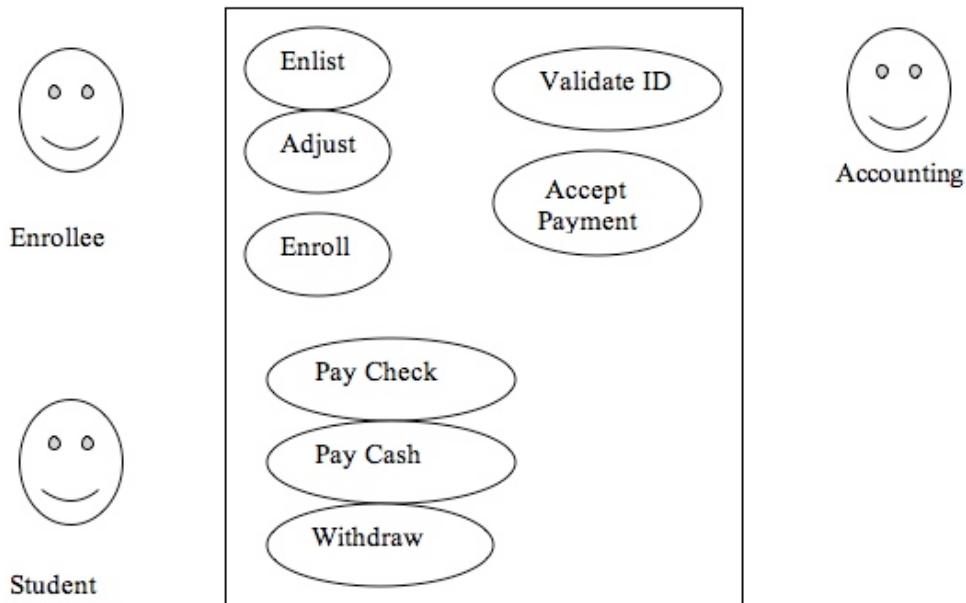
- Applicant requirements.
- On time payment.

USER INTERFACE REQUIREMENTS

- Staff windows

NON-FUNCTIONAL REQUIREMENTS

- **Availability:** Personnel offices must be open and, as well, welcoming to applicant requests.
- **Confidentiality:** Submitted forms and personal information in requirements must be kept highly confidential from outside parties.
- **Time Management:** Personnel must be able to transact quickly but efficiently to avoid long lines in the office and open the office on time.
- **Adjustability:**



**Ide
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on Summary.

Title: Enrollment System in CSB.

Summary: This use case diagram will show how the enrollment system of CSB works.

Actors: Enrollee, Student and Accounting Office

Person In Charge: DLS-CSB accountant.

Flow of Events:

Preconditions:

3. You should be a student of CSB.
4. EAF
5. ID
6. Money

Main Success Scenario:

1. The student will use the computer to pre enroll his/her subjects.
2. After pre enroll, you will queue to line for payment.

Alternative Sequence:

1. Pay at the bank.
 - a. you can pay your tuition fee at designated banks but requirements should be follow.
2. You are not allowed to enroll is CSB.

Error Sequences:

- E1. You we're unable to enlist same thing with pre enroll.
- E2. You forgot to bring your EAF.
- E3. Some of the subjects you enrolled is not approve yet.

a. you will ask to go to the registrars office.

Post Conditions:

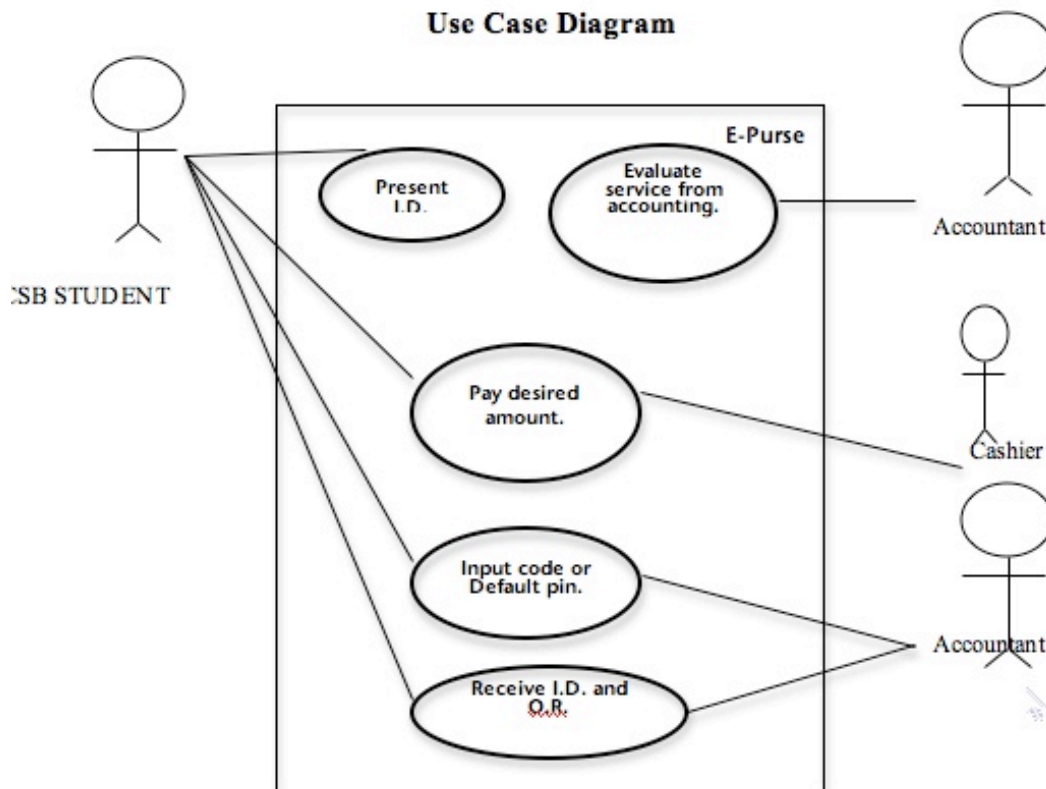
1. All requirements from all department should be complete.
 - a. else the will hold your enrollment.

UI(User Interface) Requirements (Optional):

1. The computer that you will use for enlistment and pre enrollment should be fully functioning.
2. Internet Connection is required.

Non-Functional Requirements (Optional):

1. The accounting office should improve their system to avoid long queue.
2. And, improve the system of pre enrolling.



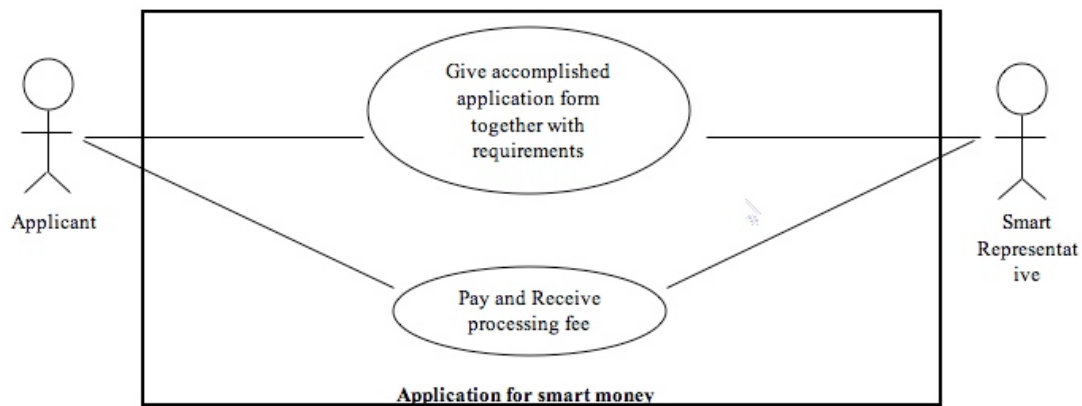
I. Identification Summary

- A. Title: Depositing Money for E-Purse
- B. Summary: This use case will allow CSB Students to deposit money, stored in the ID Card for easy money access.
- C. Actors: CSB Students, Accountant and Cashier

II. Flow of Events

- A. Precondition
 - I. The CSB Student must have VALID SCHOOL ID.
 - II. The Student must be currently enrolled in DLS-CSB.

- III. The CSB Student must deposit at least Php50 to activate his/her E-Purse.
- B. Main Success Scenario
 - I. The student must inquire by giving his/her valid ID card for e-Purse in Window 2.
 - II. The accountant is to give an evaluation for the Accounting Office Service to the student inquiring.
 - III. The accountant is to prepare the valid ID card and the cash to be stored for the cashier, and redirects the student to Window 1.
 - IV. The cashier is to receive the ready money to be stored in the e-Purse.
 - V. The cashier is to process the official receipt and redirects the student to Window 4.
 - VI. The accountant in Window 4 is to ask the student for a six-character PIN code for the e-Purse.
 - VII. The accountant then is to give back the valid ID and official receipt.
- C. Alternative Sequences
 - I. The student is to deposit less than 50 pesos.
 - II. The student is to present damaged ID.
- D. Error Sequences
 - I. Invalid ID.
 - II. The Student is not currently enrolled.
- E. Post Conditions
 - I. Printing services at ACTC front desk Taft and AKIC Campuses.
 - II. Library fine payment at LRT-Ext and AKIC-LRC 6th Floor.
 - III. Food and Drink purchases at the AKIC-cafeteria.
- III. Non-Functional Requirements
 - A. Response Time: The situation depends on the number of people queue.
 - B. Availability: Students tend to ask for information at the last minute, so it is expected that the queue will be crammed with people.
 - C. Frequency: The Accounting Office is only available at certain hours. (8am-12nn and 1pm-5pm)



IDENTIFICATION SUMMARY:

Title: Applying for smart money

Summary: This use case diagram illustrates the system for application of smart money.

Actors: Student, Smart representative.

Creation Date: July 15, 2008

Date of Update: July 15, 2008

Version: 1.0

Person in Charge: Rob Palomo

FLOW OF EVENTS:

Preconditions:

- Applicant must be at justifiable age.
- Applicant must have the complete requirements.

Main Success Scenario:

1. Applicant requests to have application form for smart money.
2. Applicant will accomplish the form.
3. Applicant submits accomplished smart money application form together with all the requirements.
4. Applicant will pay the processing fee(Php30).
5. The applicant will receive the smart money card after 3 days for manila residents and 7 days for outside metro manila.

Alternative Sequences

A1 – From 2

2a: Personnel give a wrong form

3a: Applicant returns form and receives the appropriate form

A2 – From 3

3b: Applicant fails to answer definite fields in the form

4b: Personnel refuses submission, applicant returns form upon completion of entries

A3 – From 4

4c: Applicant doesn't have enough money.

5c: Applicant will ask a friend to pay it for him/her.

Error Sequences:

E1 – From 1

1a: Applicant is a minor

2a: System fails; applicant can't go on to application.

E2 – From 1

1b: Office is closed

2b: System fails; transaction can't continue.

E3 – From 3

3a: Applicant fails to submit needed requirements

3b: System fails; applicant must first have the needed requirements for submission

E4 – From 5

5a: Wrong address the card will be sent back to the office.

Post Conditions:

- Applicant is advised to submit all the requirement same day of application
- .

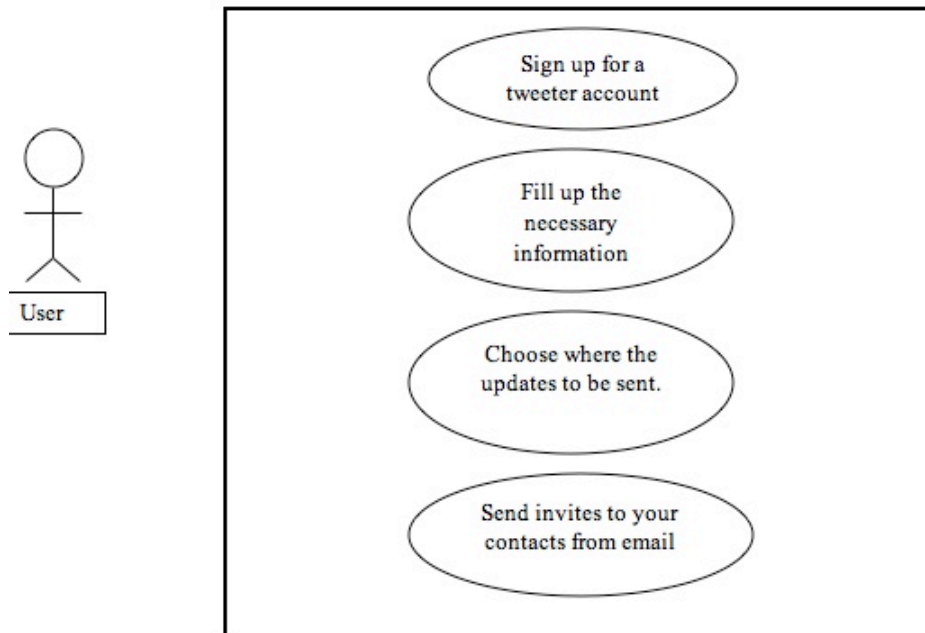
USER INTERFACE REQUIREMENTS

- Representative table.

NON-FUNCTIONAL REQUIREMENTS

- **Availability:** Personnel offices must be open and, as well, welcoming to applicant requests.
- **Confidentiality:** Submitted forms and personal information in requirements must be kept highly confidential from outside parties.
- **Time Management:** Personnel must be able to transact quickly and efficiently.

USE CASE NARRATIVE – Twitter



IDENTIFICATION SUMMARY:

Title: Signing up for Twitter.com account.

Summary: This use case diagram illustrates the system for signing up for an account at twitter.com

Actors: User

Creation Date: July 30, 2008

Date of Update: July 30, 2008

Version: 1.0

Person in Charge: Rob Palomo

Flow of Events

Pre- Conditions:

1. The computer user should have an Internet connection.
2. The person who's using the computer must have a keyboard.
3. The computer user must have an existing e-mail address.

Main Success Scenario:

1. The computer User signs up for an account.
2. The computer User encodes the details needed.
3. The computer User chooses to search e-mail accounts from Users' contacts that has Twitter account.

Alternative Sequences:

1. The computer User types the wrong pattern keys given .
-The computer User is given another chance to types another pattern key.

A2. Wrong information.

-Edit the profile.

Error Sequence:

E1. Invalid email account.

-Give valid email.

E2. Systeme shuts' down

E3. The Internet Company where the computer User is registered shuts down. Use case fails.

Post Conditions:

1. The users' computer can connect to his/her friends by knowing what his up to.
2. The computer User can pick to take Twitter to his/her phone.
3. The computer User can invite more of his/her friends to join his network.
4. The computer User can upload photos to his/her account.

Book Review

Author: Mark Stamp

Book: Information Security

Ref. #:105713

Chapter:10

Quote: in the real world, nothing happens at the right place at the right time. It is the job of journalist and historians to correct that.-Mark Twain

Review:

This chapter talks about the four security protocols that are widely used in the real world. First is Secure Socket Layer or SSL, which is widely used in Internet transactions. IPsec is the second protocol, a complex and over-engineered protocol

with some security flaws. After that is karberos an authentication protocol built on symmetric key cryptography. Lastly is GSM protocol and extensively used in mobile telephone conversation. Relatively simple, but it's an interesting topic to study because of several attempt attacks.

Author: Tom Negrino & Dori smith.

Book: Java Script & Ajax.

Ref. # 106802.

Chapter:2.

Quote: None,

Review:

This book actually talks about basic Java script and Ajax. This book will help you a lot with java, because everything that you need is here. From easy visual by approach to concise steps and explanations. This is very head readable and even fun introduction. The leader first and chief Rush series style is use lots of visuals, repetition and humor to get past their possibly thirsty subjects and applying this to Ajax works well. Though the authors would naturally like to think that the book you've got in your hands is all you'll ever need to become a JS expert, they recognize that you might just want a bit more information after you've eagerly devoured this book. There are actually different books in the store, yeah but only trusted authors will devote their studies in producing quality book. For me this book is three thumbs up, it'll help a lot of people with its topic. Every IS students should read it, when they already reached Java and Ajaz.

Author: Michael Jesse Chonoles and James A. Schardt.

Book: UML 2 for dummies.

Ref. #:102715.

Chapter: 3 objects and classes.

Quote:

Review:

This chapter you will learn the importance of objects and classes of your system, before start doing UML modeling. As it guide's you, it will help you identify key classes and objects with your system, and even parts that you need to keep and expose to users. This chapter helps a lot because of the ff: topics. Naming attributes and types, enumerating possibilities, defining default values, multicity and performing operations. This book will actually help you, because all the chapters are about UML, from basic o advance modeling.

Author: Eric Pascarello

Book: Java Script 2nd Edition.

Ref. #:102828

Chapter: 5.

Quote: "Never let someone bring you down"-Anonymous

Review:

JavaScript is actually more of coding for website, but this will actually also help you to SAD. In a way that building a website is the same as a system. It is your main system. Chapter 5 talks about controlling program flow; in this chapter you will learn several thing to improve your system. Like limiting execution of if else statement, because the shorter the codes the better. Using conditional operators. Optimize performance with a switch statement. Creating loops, continue and breaking loops. Handling with loops, for simpler coding. That's all for this chapter, but yeah there's still a lot of coding techniques that can get from this book. Actually chapter 5 is for advance programmers. I can rate this chapter 5/5, because it really helps. Additional good thing from the book is it has high-resolution screen shots for better view. Explanations are thoroughly taught. And it highlights the useful tips.

Author: Rudy Hirschheim, Armin Heinzl and Jens Dibbern.

Book: Information Systems Outsourcing.

Ref. #:110181.

Chapter: 6

Quote: purpose in life will drive your passion-anonymous.

Review:

This chapter will actually teach you how a simple application can be use in a business sourcing. Like what do analyst do, analyze the system and give you the specific problems. Application sourcing is something like expanding the limitation of an application to use it better for a business. This chapter entails with application service providing and business process outsourcing.

Author: Henry Chan, Raymond Lee and Tharam Drilon

Book: E-Commerce Fundamentals and Application.

Ref. #:63459

Chapter: 3.

Quote: Its not about how you hit, its by the way of using your brain samething with your heart-MMA Fighter

Review:

This chapter has an overview of the web design using the process of HTML4.0 and Java Script for client side programming or net publishing. HTML made use of tags to basically format web document. Additional attributes can be defined. Basically HTML can be use in various ways like formatting text or anything that can be done in web designing. With HTML 4.0 web page designers can actually control the styles of web pages more effectively by using css. And also html provides Different form input elements for collecting user input. Lastly is Javascript can be a mode to use to enhance the functionality of HTML in a precise way to make a web page dynamically and interactivity. Through this you can build a foundation of Web database using the process learned from the book.

Author: Russel L. Ackoff, Jason Magidson ang Herbert J. Addison

Book: Idealized Designs

Ref. #:116610

Chapter: 1

Quote: Only the paranoid survive-Russel L. Ackoff

Review

Design for systems should always set in mind that in thinking for a design out of the box. With this we can actually think different ways creating a unique design for our system that can establish different function and improve business. You may think that designing specific system is easy, but actually in a professional way you need to follow different steps in designing. Like a system, you can't just put it everything and let it work. Its like a racing car machine, you have to properly tune all the mechanisms of the car especially the engine. Avoiding this essential stage will give you a massive problem. That is why designing takes time in order to produce a quality output. One way to create an output is thinking of your output then next are the processes and lastly are the inputs. this chapter described the stages in ideal design, and also the process in action in the real world. Some of the gaps between idealized design and today's reality can be filled and some cannot. Without idealized design today's project will never be realized tomorrow at the same time cannot deal with different design problems.

Book: Object-oriented Analysis and Design with Applications

Author: Grady Booch

Reference No: 3725

Quote: "objects are shown, but you cannot imitate the way it was built"

Chapter 3: Classes and Objects

Review:

Studying the origin of an object is important in a way users are being tangible and also exhibits well defined behavior, but on the other hand. Object are just things that we see. Sometime we don't know how to value those objects that we see. Objects are there to be studied and classified for us to organize everything. And dealing with objects is a bit complicated because things are very hard to mix with different styles.

Objects and classes have state, behavior and identity. The element that encompasses all of the usually static properties of the object plus the current, usually dynamic values of each of these properties are called State. It's simply the abilities of the object. What it can receive and provide to users. Behavior is how the object act and react, in terms of its state changes and message passing. It also means that the state can change, according to its abilities, and it depends on the change of the state on how it will perform, acts or reacts. Lastly, Identity is that property of an object,

which distinguishes it from all other objects. It indicates that an object can be different from others, in this way having an identity for itself. It can do a special behavior that others may, may not, can or cannot do. Objects and classes can be defined as a mixture of art that will enable you to coordinate colors that will be called a work of art.

In short designing application and interfaces are a bit complicated because you have to have the best elements or should I say the right mixture, because for example with UI different people see it. In a company your UI should be attractive in order for you users to enjoy browsing your website.

Book: Management of Information Technology: Fourth Edition

Author: Carroll W. Frenzel & John C. Frenzel

Reference No: 84348

Quote:

“The study of information technology management concentrates on accomplishing business results, attaining efficiency and effectiveness, and, achieving and maintaining competitiveness with the external environment. For a systems analyst or manager, the goal always is to improve operations for the firm.”

Chapter 1: Management in Information Age

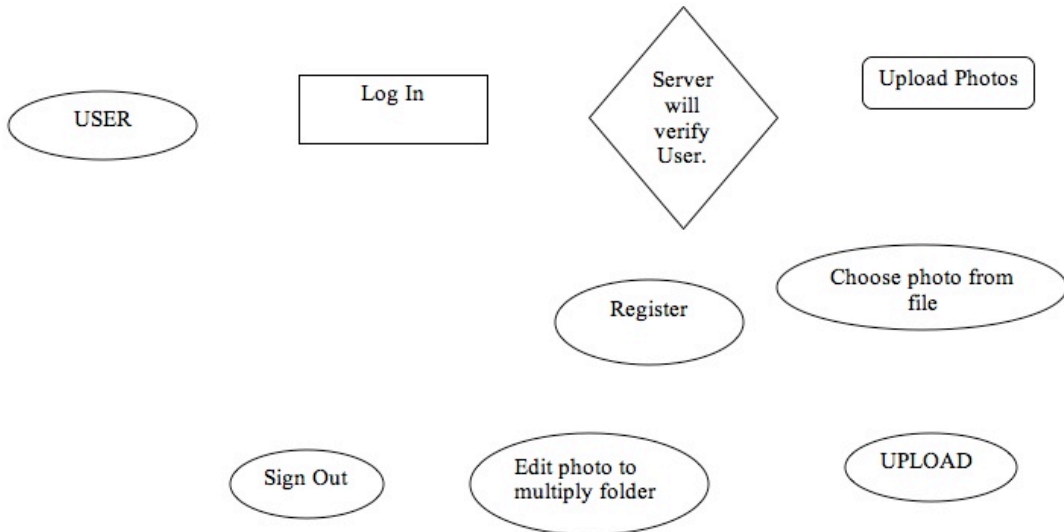
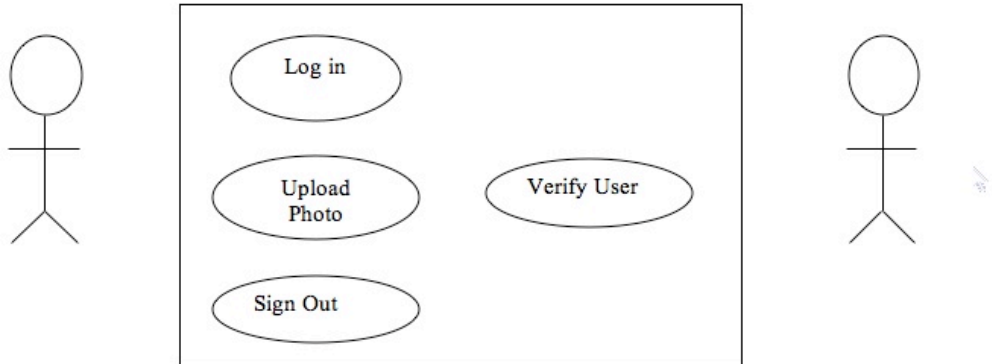
Review:

Strategy and Planning, Technology and Business Trends, Applications and Data, Operational Disciplines, Resource Control, and Organizations and People: each element is essential to the firm's success.

What is really important is the proper technological system developed by the IT managers, because without having the proper system your company will have a mess actually this system has the proper way of executing and that's the challenge to everyone. To know how to manage it properly, then it will follow the technology, resources, organization, people, strategy and operation.

Right now I can say that IT is in demand everywhere, because our world is moving to the next generation, generation of high technology. In the situation that you no longer need to go out of your house to work, but computer as your major key to live and run everything. So managing will be easy, but we should not always let computer work for us, because it might destroy you. Everything has pros and cons. So there management has applied technology in this way working for a specific office in a company will be more easy because of having computers that runs the business. Technology also improves time and company profit, so we should consider having a computer in our managing team.

Appendixes:



TITLE

“An Analysis on the Ordering System of Aerowings Aviation & Maintenance
Products”

A Systems Analysis Study on the

Presented to the
Computer Applications Program
School of Management and Information Technology
De La Salle – College of Saint Benilde

In Partial fulfillment of the
Requirements of the subject
Systems Analysis

Submitted By:

Ramirez Randel , Zhou Quan, Villanueva Ian, Palomo Rob
<Subject and Section>

August 2008

Submitted To:
Paul Pajo

Chapter 1

Company Background

Company Name: Aerowings Aviation & Maintenance Products.

Address: Unit 15 I Lafayette 2, Eastwood City, Bagumbayan, Quezon City
Philippines 1110.

Phone (63)917-815-1467 and 687-6390.

Company Profile:

In the last decade or so, young enterprising individuals establish small “military supplies and equipments” shops that are located in various locations that cater the Philippine Air Force who need such service. Any company that can offer its products or services to the consumers in the most accessible manner ends with a competitive advantage.

Knowing the demand for such supplies in the Philippines, AEROWINGS AVIATION & MAINTENANCE PRODUCTS took things one step further and aimed to provide good service to the targeted consumers for their satisfaction.

AEROWINGS AVIATION & MAINTENANCE PRODUCTS is primarily a trading company duly registered at the Department of Trade and Industry (DTI) with its principal address at Unit 15 I Lafayette 2, Eastwood City, Bagumbayan, Quezon City Philippines 1110. It was newly established in the first quarter of 2007. The company is owned and managed by Rosario D. Palomo. Its principal products are Military and Air Force uniforms and equipments.

The company has gained trust and confidence from several clients and among them is Philippine Air Force (PAF).

Presently AEROWINGS AVIATION & MAINTENANCE PRODUCTS affirms its commitment to its mission of serving not only the PAF but also future clients as with prompt and efficient service.

Statement of the Problem

Our study focuses on the Ordering and Delivery System of AEROWINGS AVIATION & MAINTENANCE PRODUCTS. The company problems are slow process for ordering because they still need to write the product order from customers and the orders are sometimes doubled because of lost of records due to queue of records

- The order is sometimes doubled
- Slow process for ordering
- Lost record of orders

Objective of the System

The objective of the system is reduced errors, avoid the lost of record order and also to avoid duplicated orders. The system will increase the speed of reports and activity.

➤ Tangible Benefits

Error Reduction

An ordering form is suggested by the group wherein included in the form is the: Item name, quantity and the prize to avoid doubled orders.

Increased speed of reports

An automated system that records the name, address and contact number of the customer. Records of past customers are also recorded.

Increased speed of activity

An ordering form is given to the customer where the product, quantity and prize are indicated.

➤ Intangible Benefits

Faster – decision making

Because of the reduced errors and increased in speed of activity a faster decision making of shipment is possible.

Significance of the study

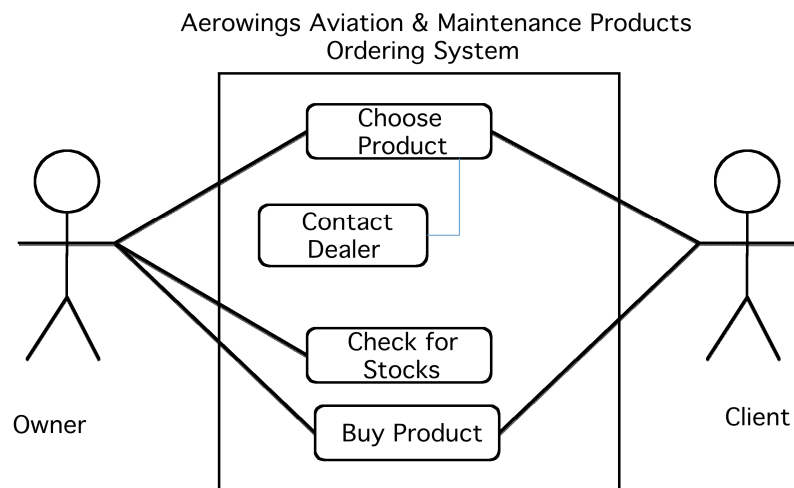
In this study the main focus is to improve the existing ordering and delivery system of AEROWINGS AVIATION & MAINTENANCE PRODUCTS.

Scope and Limitation

The team will only tackle the ordering system of AEROWINGS AVIATION & MAINTENANCE PRODUCTS.

Chapter 2

Use Case



Summary

Title: Old System

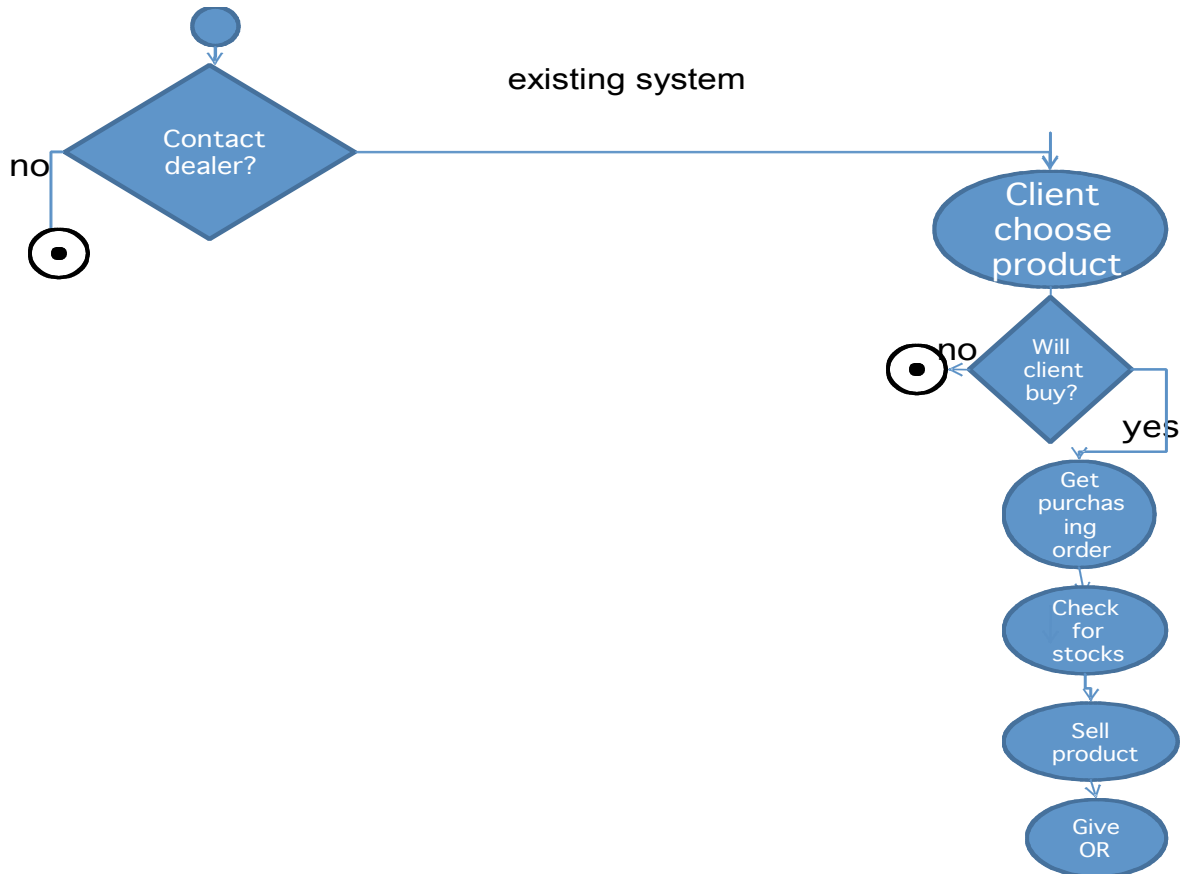
Main Success Scenario:

1. Client successfully choose a product
2. Owner will check his stocks if it is available
3. Owner successfully sold the product

Error Sequence

- E1. Out of stock
- E2: Order is duplicated

Activity diagram



Process time vs. Cycle time

Activities	Cycle
Processing	(Time)

(Time)	
Ordering 5 mins.	10 mins.
Record the order 5 mins.	10 mins.
Submit ordered items 4 mins.	8 mins.
Check for stocks 10 mins.	20 mins.
Confirm order 2 mins.	5 mins.
Purchasing order 4 mins.	10 mins.
Pay 1 mins.	5 mins.
Total : 31 mins.	1 hr. 8 mins.

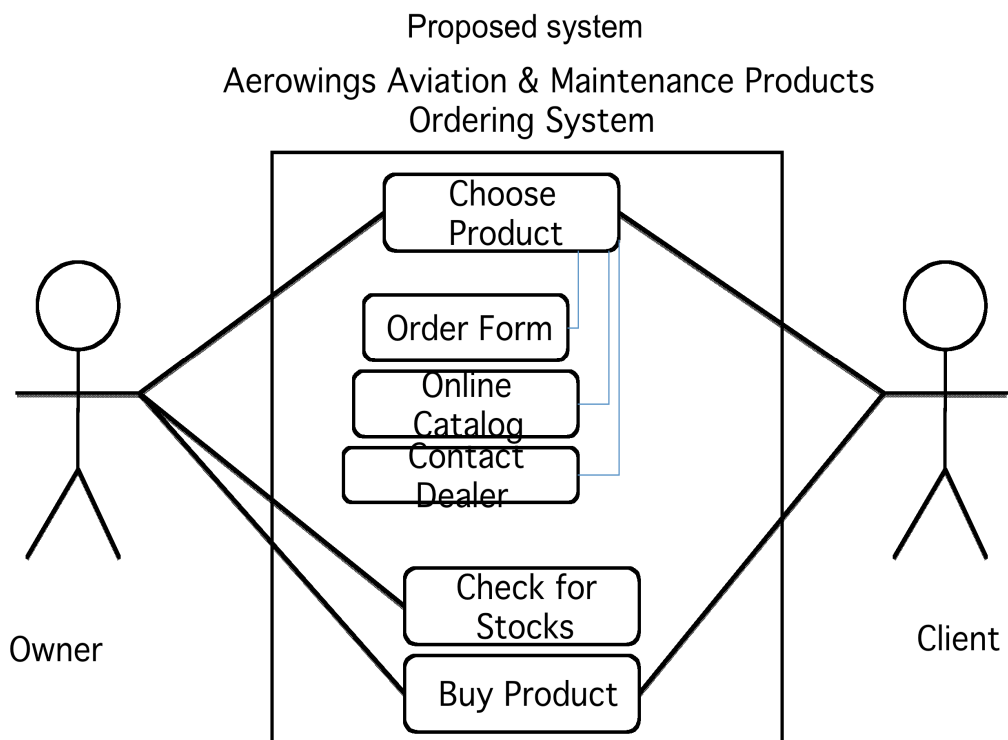
Chapter 3

Table of recommendations

The orders are sometimes doubled	An automated system that records the name, address and contact number of the customer. Record past customers are also recorded.	The system will automatically check if there is an existing order from the customer.
Slow process	An automated system that	The system will check if

of ordering	records the name, address and contact number of the customer. Records of past customers are also recorded.	the customer already exists in the directory of the system.
Lost record of orders	An ordering form is suggested by the group wherein included in the form is the: Item name, quantity and the prize to avoid doubled orders.	A generated form that indicates the list of orders.

Use Case



Summary

Title: New System

Main Success Scenario:

1. Client successfully choose a product
2. Owner checked for stocks
3. Owner successfully sold the product

Bench Mark

Legal Company Name: Worldwide Tactical LLC

Company ID: USR20070315033441156

Web: Company website

Telephone: 305-534-0777

Fax: 305-534-1297

Product Keywords: uniforms, tactical, nomex, police, ACU, riot gear, flight suits, protective equipment, clothing, safety,

Physical Address:

925 41st Suite 106

Miami Beach, Florida 33140

USA

[Map This Location](#)

Mailing Address:

925 41st Suite 106

Miami Beach, Florida 33140

USA

Corporate Status: Limited Liability

Ownership: Minority Owned

Business Size: Small Business

Year Established: 2005

Annual Revenue:

No. of Employees: 5 - 10 People

Company Description:

Distributor/ Manufacturer of Military/Police/Safety equipment and clothing. Our niche is hard to find specialty items both US made and imported. Highly experienced with a vast database of product knowledge.

From the Aerowings Aviation Supplies and Maintenance, they gave us the profile of one competitor from other country namely Worldwide Tactical LLC. WTL is also a manufacturer of the said products, they are a competitor but Aerowings is the first to enter the market of republic of Philippines. And as a company from other country aerowings sometimes acquire supplies from WTL, because both companies has a good communication. And Aerowings said that they don't really have a competitor, because in this line of business all the companies shares everything without requiring a contract from participating companies. Also its not easy to supply this kind of products because suppliers needs everylicense that they must present and manufacturers also need the letter from customer which is the Defense of Republic of the Philippines.

Streamlining

Automation – The group suggested an automated system that can record the order, contact number, address, and name of the customer.

Duplication Elimination – In the existing system the orders is only written in a piece of paper. An ordering form is suggested where the item name, quantity, and prize are indicated.

Sponsors:

Goma King a.k.a Gk

Xenon Bulbs

Aerowings aviation and Maintenance

Hayai Auto Parts

Envy Customs

Mickeys Autosounds

