03/09/2011

Reunion #1

3:30 - 4:30 Pm (Ordinary)

Location: PUPR - classroom P-306

* Purpose: Determining problems for Software Engineering project, group name and logo

Problems:

- Francisco: The Politecnic University of Puerto Rico's course registration system is not very user friendly and has problems in the validation system.

- Problem description: There are many problems involving the registration process of the University's online system. Many of them are linked to the validation system which may result in the student to avoid using this way of registering. For example; the validation system sometimes does not recognize the validity of some courses which were already qualified, thus not letting the student add new courses that depends on them. The other problems involves the user friendliness of the system which can be improved with many modern methods and functionalities. For example some searches are not case sensitive and some are. It would be nice to have many features, like a list that is organized in a way that you would instantly recognize which course to take next etc.

(and marketing)

Joaquin: "The overflow of video games, released every year, causes ignorance of the existence of many games (in gamers all over the world)
(Potential)

- Problem description: Every year thousands of games are being released causing an overcrowded quantity of games in the market. Even though most of the time the best ones are usually advertised through commercials, webpages, expo's etc.. (continued)

(continuation) many of them simply can't do the same and don't get much attention from the general population. These games usually have some potential, but because of the way they were exposed to the market they usually pass unnoticed by many people causing loss of product's monetary benefits. Since the quantity of games inside the market is extreamly large and the advertisement rivalry between large and powerful companies occludes the minor companies or games developers, there is no known viable way of making the general populations acknowledge the existence of these occulted games. a software is needed that could make the system more viable by making the general populations notice games that were not as advertised and that are potential selling candidates.

- Emanuel: The patient's record system is inefficient, time consuming and not always effective in most situations, especially when visiting other medical institutions.

- Problem decription: The inefficiency of the searching of patient's records, which cause a delay in the treatment or care of the patient when visiting other medical institutions where your head doctor does not work. An example of this problem is if a patient have multiple conditions and it is an emergency and the doctors attending to the patients does not know the conditions that the patient have the treatment or care would be delayed putting in risk the patient's life.

Reunion # ~~2~~ 1 ext. 03/10/2011
PVPR - 3:30-4:30 pm (ordinary)
Purpose: Continuation Reunion # 1

- Gabriel: Repetition and disorganization of large quantities of data.

- Problem description: Nowadays we have a lot of space in our Hard Drive Disk (HDD) that we tend to over flowed it with lots of data, data that can be unorganized or repeated. This can be a big problem because we would have some files taking space and we may not know it, sometimes the mess of files is just too much to bother with. There are many softwares related to cleaning your PC but none related to cleaning and organizing your PC's data. We need a program that can do what other programs do but we would also want it to keep certain file types in an specific folder mainly music, videos, picture and others, giving the user the option to customize the organizing feature.

Priority list of projects (Problems):

1) The repetition and disorganization of large quantities of data.

2) The user friendliness and validation system of the PUPR's online registration process.

3) The ignorance of video games existence caused by the overflow and bad marketing of released games.

4) The inefficiency and ineffectiveness of actual medical records.

- Obtained list process:
The list was obtained by a democratic system in which each member voted independently. Each member wrote in a diferent paper a list of its own in which each purposed project (problem) entered

continuation... had a different value depending on the order of the list. After this, each value was added for each problem and depending on the value obtained the priority of the list was made.

Materials used:

- Logbook
- ~~Notebooks~~ (with internet) netbooks
- Internet
- Pencils

Pendant discussion:

- Group name
- Group logo

Logbook writter: Joaquín A. Pockels Balaguer

Participants:

- Joaquín A. Pockels Balaguer
- Gabriel E. Rivera Rodríguez
- Emanuel Rivera Castro
- Francisco O. Ramos Bravo

~~Meeting~~ ~~Reunion #: 2~~ Type: Ordinary

Meeting #: 2

Date: March 16th, 2011

Start Time: 3: pm End Time: 4:33 pm

Place/Location: PUPR - 3rd floor of Building L - Capstone room.

Members Status:

Name	Present (Signature)	Absent
1) Gabriel E. Nieves Rodriguez	Gabriel E. Nieves	—
2) Francisco O. Ramos	Francisco Ramos	—
3) Emanuel Rivera Castro	Emanuel Rivera	—
4) Joaquin O. Pockels	~~Joaquin O. Pockels~~	—
~~5)~~		—

Annotator: Gabriel E. Nieves

Notes

~~Deciding~~ the group's name and logo

Today our main ~~goal~~ is to pick a name for our group. In general Francisco was the only one with a name that we all agreed was a good idea. The name was a combination of ray as in ~~lightning~~ and pi as in the greek symbol, the result was Raypi. We all felt the concept was great which Francisco did "~~lightning~~ lightning fast and precisely calculated" ~~to score~~ Based on that we, the ones present, decided to search for alternatives such as the greek translation, which was suggested by me (Gabriel E. Nieves). It resulted to be a good idea, we combined lightning with pi and resulted to be Astrapi. We all agreed that Astrapi ~~Co~~ Technologies would be our group name, with no doubt in our minds.

What was left was the logo/ember, we agreed it will be related to lightning and pi.

d will be designing the logo for next reunion so the group can decied if it would be our logo. Therefore our group logo is pending for ~~now~~ now.

Decomposing General problems with mypali

Since we did not want to waste time we decided to split our problem in several parts to make sure we get every problem. On our privous ~~p~~ software engineering class our professor Luis Ortiz gave us an option to choose from problem 2 or 4 and we chose problem 2 which was hardly to solve the problems our university has when trying to enroll for our courses.

Emanuel pointed out that there where problems in ~~what~~ with the parking in relation to that it ~~was~~ does not have an option to choose if you want parking and this requires the student to go to the university to validate that you want parking.

He also pointed out that there where problems with validating medical plans. There should be a way to validate that the student is under that medical plan and ~~how~~ when his/her plan expires since this is a new requirement. Those we have SSS for example, don't have an expiration date on the card and would requires to bring documents to validate that your plan has not expire during the trimester.

Emanuel and d agreed that the mypali system does not ~~validate~~ if pay for a students trimester if that student has a scholarship or loan in the system, which requires the student to go to

the university to validate your payment options.

Francisco mentioned that there is a problem when searching for courses to enroll, the system requires the user write course name or course code. The main problem was that the system was cap sensitive and the miss use of "like" parameters when comparing text with the course code and name.

I pointed out that the system does not validad the course taken the previous trimester with the trimester you are trying to enroll causing the student to not be able to enroll in certain courses do to prerequisits. Joaquin pointed out that this problem also occures not only with the previous trimester, which could mean that there are some serious issues when validating taked courses.

Joaquin also pointed out that the system has problems updating course status. This can be seen sometimes under 'sets', where it may say the course is full but it is actually not but in this case you can register even if it says its full. Also when course are droped these courses should be removed to avoid others from enrolling.

Emanuel and Joaquin pointed out that there should be a section for students to see special topics and some elective courses available for the next trimester so students can enroll in them but there should also be a discription for special topics so the student would know what he or she is enrolling

in before doing so and that this method should be applied in all courses.

Mainly most of the problems consist in having to go to the university to enroll. This is a major problem because it defeats the purpose of enrolling online when we still need to present our selves ~~exhibit~~ with documents and to validate our enrollment.

Group problems and what could go wrong

After discussing what could go wrong and how to solve it we generated the following list:

1) if a member cannot assist to ~~to~~ the ~~reunion~~ meetings, ~~it~~ is that member's ~~responsibility~~ to communicate ~~to~~ with the ~~group~~, group. The other members should assign a task or work for this missing member and update him what was discussed in the meeting.

2) If two members cannot assist to the meeting then either cancel it or try to find an alternative way, such as Skype, oeVoe, ect.

3) Data backups and organization in case information lost we will be using dropbox. This will keep all our datos backed up, ~~and~~ organized and shared for each member.

4) If ~~the~~ there is any disagreement with something, we will vote democratically (poll system for more then 2 options). When

~~voted~~ the most voted option arises if will be final unless needed for revote because of conflict with future events.

5) If a member of the group withdrawns from the course or does not present himself in a maximum of 5 reunions without reasonable excuses, this includes medical excuse or at least to contact a member of the group to attest show interest, then the remaining members will distribute the no longer existing member's work or task.

6) If a member is not working or not doing his work/job correctly, this member will be warned and a task less challenging will be assigned. If this member's behavior continues then the group will be forced to discuss further actions, that includes from an extra warning to total removal of this member and applies to the group leader.

In general these worst case scenarios can be seen as the group's rules and policy.

Materials and used equipment:

1) Hp pavilion dv6-2066dx Entertainment notebook pc ($599.99)

2) Hp pavilion dv7-2173cl Entertainment Note book pc ($900.00)

3) Acer Aspire 5334-2153 ($299.00)

4) Toshiba satellite L555 ($699.99)

5) Sosberk

~~What are the~~

Topics to be discussed

On our next meeting we will be discussing our group logo, software name and logo, and we will be discussing about the SRS's requirements (functional and restricted.

Meeting #3 Type: Ordinary
Date: March 21, 2011
Start time: 3:00pm End time: 4:30pm

Place/Location: PUPR - 3rd floor Building L
Capstone room

Members

Name	Present (Signature)	Absent
1) Gabriel Nieves Rodriguez	Gabriel E. Nieves	—
2) Francisco Ramos	Fm Ramos	—
3) Emanuel Rivera Castro	Emanuel Rivera	—
4) Joaquin O. Pockels	JOP	—
5) Luis Ayala Silva	Luis Ayala Silva	—

Annotator: Emanuel Rivera Castro

Notes

The design ~~that~~ Gabriel make for the group ~~was~~ was selected. He make 6 different designs. Each design had in mind the name selected for the group, Astrapi. ~~The first 5 design~~ The design have the pi(π) symbol and a lighting bolt ~~on the background~~ behind the pi. We also began with ~~the disco~~ discussion. for the name of the software and the logo for the it.

~~Francisco mention auto~~
Joaquin mention auto-enroller. Gabriel mention Easy Enroller. Francisco mention Click n Enroll. At this time the name ~~was~~ wasn't selected.

The logo for the software that Gabriel make was a robot with

a roll of paper. The roll of paper signified the course statement for the student. Where the roll will be was not finally ~~dec~~ decided.

~~Topics to be discussed~~

We also discussed some problems found on the 2nd meeting that were not clearly ~~discussed~~ discussed. The problem that Luis found that was not clearly defined was that when a student "generated" the courses will all the course ~~with~~ appear even if ~~it can~~ the student can't take ~~the courses~~ some courses. In reality the software will have a validation that the classes that the student can't take will not appear. There was a little discussion on the design of where the courses will appeared, if it was a simple list or with ~~tabs~~ ~~that classify~~ that classify the list. But since the design part will not be started for now ~~that~~ the solution for this problem will have to wait.

Topics to be discussed

Vote for the name of the software and the logo for it. We have to begin ~~documented~~ documenting the SRS.

Meeting #4 Type: Ordinary
Date: March 23th, 2011
Start time: 2:30 p.m End time: 4:30 p.m

Place/Location: PAPR-Building L-3104
3rd floor Capstone meeting room

Members

Name	Signature (Present)	Absent
1) Gabriel Nieves Rodriguez	Gabriel E Nieves	—
2) Francisco Ramos	Fco Ramos	—
3) Emanuel Rivera Castro	Emanuel Rivera	—
4) Joaquin O. Pockels	[illegible]	—
5) Luis Ayala Silva	Luis Ayala	—

Record keeper: Francisco Ramos Bravo

Notes:
Meeting is about software name and SRS
Gabriel finished the software Logo prototype
we decided to toy and refine it on a future meeting

We then invoked the democratic vote for
the software name. After voting it
was pretty much an anonimous decision
that the name would be Hasta-Enrollé!!

also we then proceded to discuss the distribution
of the SRS document.

Gabriel suggested to use google docs to
be able to edit the document simultaneously
and we all agreed.
Luis had to do the Introduction (1.0)
Gabriel and me had 2.0 and 1.3
Joaquin and Emanuel had 1.1 and 1.5 section &
first topics. Due at the SRS and final software
Logo

Reunión #5 Tipo: Ordinaria
Fecha: 1 de Abril de 2011
Comienzo: 7:30

Lugar: PUPR Edificio M-314 y Cafetería Edif. multiuso
3er piso edificio Principal

Equipo

nombre	firma (presente)	Ausente
1) Gabriel E. Nieves	Gabriel E. Nieves	—
2) Joaquín A. Rockels B	JARB	—
3) Francisco O. Ramos Bravo	Francisco O. Ramos	—
4) Emanuel Rivera Castro	Emanuel Rivera	—
5) Luis Ayala Silva	Luis Ayala Silva	—

Escritor: Luis Ayala Silva

Notas:

Proposito de esta reunión:
En esta reunión nos propusimos definir el caso de uso ideal, (Actor y Sistema) para nuestro sistema.

Comenzamos definiendo el caso de uso del sistema actual de la Poly (myPoly), el cual utilizaremos para compararlo con el nuestro para así saber cuan facil y eficiente es el nuestro en comparación con mypoly.
No se pudo cumplir con el proposito, que era definir el caso de uso ideal para nuestro sistema.

Proximo a realizar:
Tambien acordamos que en la proxima reunión realizaremos entrevistas a varias de las personas que estan involucrados directa o indirectamente con el sistema actual

Materiales utilizados:

1) HP Pavilion dv6-2066dx Entertainment notebook pc ($599.00)

2) HP Pavilion dv7-2173O1 Entertainment notebook pc ($ 900.00)

3) Acer Aspire 5334-2153 ($299.00)

4) Toshiba Satellite L555 ($699.00)

5) Logbook

Tabla Caso de Uso: Matricular

Actor (Usuario)	Sistema
1) Go to mypoly website and login.	
	2) Validate the user and give permissions.
3) User goes to registration section of the web site. (Click students tab then Registration)	
	4) System validates if the user can enroll in that moment.
5) User needs the curriculum or a list of course to register for.	
←	6) User manually searches for each course, user course code or course name.
7) The system will return the results the search →	
8) The user will select a course to enroll.	
	9) System validates the course to see if the student can enroll

Actor (User)

System

9) this includes if there are any requirements.

10) If the user can enroll the system will enroll the course. If not the system will reject the registration. This include returning error messages.

11) If the user course was enrolled then user will search for next course and repeats the step 8 until the student is done. Else if the system rejects the student needs to select another option assuming the student has the requirements.

12) Once user is done then user will click on generate statement

13) The system will generate the statement for the enrolled course, this includes any debts.

14) System will let the student pay for the enrolled courses using payment options such as Scholarships (Beca Pell), Loans, Credit and ATM.

"Meeting # 6" Type: Ordinary

Date: 6/04/2011

star time: 2:00 pm end time: 4:30 Pm

Place / Location: PUPR - 3rd floor - building L
capstone Room

Members list

Name	Signature
1- Gabriel Nieves Rodriguez	Gabriel E. Nieves
2- Francisco Ramos	Fra Ramos
3- Emanuel Rivera Castro	Emanuel Rivera
4- Joaquin A. Pockels B.	
5- Luis Ayala Silva	

Record Anotator: Pockels Balaguer, Joaquin

The main purpose of this meeting was to discuss more in depth the user cases of our system and to divide and assign by parts the SRS to each one of the members of the group. We started discussing the posibility of implementing some functions as a future possibility instead of doing them all now.

It was decided that only the main function plus some others are to be implemated. there was going to be only one user (student) and the functions of the system are going to focus on the enrollment of the student.

The second objective of the meeting was discussed just after the previous decision. It was decided that each part of the SRS document was going to be assigned evenlly.

It was decided that we were going to focus on to part 3 of the SRS which explain in depth the specific requirements so that after it ~~was~~ the section 2 would be easier.

The section 3 was divided and assigned to each members this way:

- Emanuel: 3.3, 3.4 and 3.5

  a) 3.3: Performance requirements
  b) 3.4: Logical Database Requirements
  c) ~~Deg~~ 3.5: Design constraints

- Luis: 3.1 and 3.2

  a) 3.1: External Interface
  b) 3.2: Functions

- Francisco: ~~3.6~~ 3.6

  a) 3.6: Software system attributes

- Joaquim and Gabriel: section 2 overall description.

The introduction or section 1 of the SRS was already developed and finished.

Since the meeting purpose ~~was~~ was done in less time than expected ~~we~~ it was also discussed how we were going to work on the SRS. It was decided that we were going to ~~work~~ throughout skype and working in a single back up'ed document using google docs.

The tools that were used for the SRS document development:

1-) Google docs

2-) Skype

3-) Smart draw

4-) Paint and Photo-shop.

Topics to be discussed

- Presentation of the SRS
- SRS modifications
- SDD document discussion