

Project Report

Abstract

The name of project is JMySQL (Java and MySQL) for ITCH .The application is going to store all necessary information about each members, it has registration, search, edit, remove and ID card print functionalities. we started Requirements Engineering with requirement elicitation and analysis and focused more on user specifications and continue requirement elicitation by interview with persons which are currently working in ITCH and then working on new scenarios. New finding has been earned about system and user requirements by these interviews and are written descriptively in the report.. After prototyping with customer, we created a time line for four weeks to cover a part for developing our main application.

Introduction

Jmysql is a mysql database with a Java front end application which will implement this system in IT center of Herat university, Afghanistan and is a registration database with Java front end for GUI user interaction with the system. The initial steps was providing a meeting for selecting a proposal and finding a name for that. Consequently after consulting with other members of group , we came up with ITCH Registration project and group name **Click**. allocate a page from Hubuntu site and named **click.hubuntu-af.org** Designing the page and making a mail for group . Another activity was making a private project in sourceforge under name of Jmysql which provides mailing list, forum, subversion, file manager for members of group.

At the beginning we provided an interview with Mr Jahid Zahir (ITCH responsible of Administrative Department) which are currently working in ITCH and we asked our question and necessary requirements about mentioned project .Results of interviews influenced our main application , So new scenarios were generated for system and users and created a user profile which discuses basic user needs.

During third week of project, members main concern was about completing Object Oriented Analysis Process , user specifications and interaction methods. By writing scenario, drawing usecase and CRC, we were clarifying the state of our application. The classes which have been used in whole project, attributes and methods.

We prepared pre-prototypes of our application and interact with these paper After interaction we redraw the paper prototypes again and start implementation of codes .

Methods

We had selected the Prototyping model as Software Development Process Model (SDPM) for our project, so at first our consideration was mostly about customer reaction according to mock-up or prototyped papers . So we prepared pre-prototypes or first mock-up of our application and User(s) evaluated and interact with these paper which every paper was a part of our interface After user interaction we got some changes on the pre-prototypes papers, so we redraw the paper prototypes again (second mock-up) . We use MVC (Model View Controller) to manage and control our application better according to their functionalities. MVC is a concept for designing our application . Also to keep safe (Username , Password , URL) and for more secret or recompiling of code we used XMLParser which read our changeable values from XML file which include Username , Password , URL of our application .

Result

We were continuing our daily meeting and each task assigned to one of team members. To improve quality of our software after prototyping with customer, we created a outime line for four weeks at the end have the application finished by using the Gantt chart which described the whole milestones weekly in details and also we had a meeting with teacher and discussed about necessary things in our project , so we completed it and now it is ready and will be present in the next weeks.