

CEng 491 SENIOR PROJECT FALL 2006



Weekly Report 30.11.2006 - 06.12.2006

This week we first wrote our initial design report. We had already divided the job into parts so that everybody could have made the necessary research. After that we have done several meetings composed of strong discussions about design decisions. Finally we have specified all the detailed requirements, decided our way of design and draw our diagrams. After finishing the design report, we started to write code for our project. The first thing we did was to rebuild the graphical user interface of our product. We have considered it more detailly and added new classes. There were some mistakes which we found in design phase so we have corrected them. We also add an editor to the work we have done. There are now some functionalities which are opening and saving an html file and viewing it in design view page. HTML and AJAX buttons are added to the palette. Properties and events tables are rebuilt according to the need. All of this work has been done by all the members of the project since this week was a start to coding for us. Also due to the fact that a cvs support for us isn't available, we had to write most of the code together, we could only separate the little parts.

Fulya Oktay - 1347756

Apart from the coding I have done, which was stated at the beginning of this report, I have redecided the functional requirements of our text editor. Görkem has drawn its new use case diagram and I have drawn the sequence diagram according to it. We have decided the text editor's classes all together and I draw the class diagrams according to the team's decisions. I have wrote the explanations of members and attributes of the classes of text editor seperately. I also wrote the introduction part with Aylin. Besides, I wrote testing issues with Mustafa.

A. Görkem Ekmekci – 1347392

Apart from the coding I have done, which was stated above, this week we completed our initial design report and began coding. For initial design report first I refined the requirements of Database Editor and explained them in more detail. Then, from those refined and detailed requirements I updated use case diagram of Database Editor Module. After my friends completed refining and detailing their module's requirements, I drew use case diagrams for those modules. Also I learned how to draw UML class diagrams and sequence diagrams. I prepared sequence diagram of database design editor. I also went over other sequence diagrams that other members of the project group prepared. Together with other group members we created our classes from project requirements and drew class diagrams for all modules of the project. Then I prepared a document in which I explained the roles of each class and their members for database editor module. Then, altogether we combined everything we wrote and completed initial design report.

Aylin KÖSTEKLİ - 1347699

Last week, as we have prepared our “Initial Design Report”, firstly I have written “Introduction” part that includes “Purpose of Document”, “Scope of Project”, “Project Overview” and “Design Goals” with Fulya. As I had done research about GUI during previous week, I was responsible for writing “GUI DESIGN” part. In our report, GUI is a separate subtitle that has “Overview”, “Detailed Requirements” and “Screenshots” parts. I wrote a brief description of our GUI design concepts, our recent decisions and activities about designing and also implementing GUI. Then in the light of researches that I had done the week before, I have extended requirements of GUI design and wrote detailed requirements one by one. For “GUI DESIGN” part lastly, I arrange screenshots and attach them to our report. Also I have drawn class diagram of GUI in “SYSTEM DESIGN” part by analyzing detailed requirements of GUI design. After submitting our report, we have continued to implement our GUI.

Mustafa AZAK – 1347178

During last week, besides coding our project, I did what I supposed to do for Initial Design Report. Firstly, I wrote design constraints and limitations. Then, I prepared sequence diagram of Graphical Editor using the detailed functional requirement which I had written one week before. After we decided on the final states of Graphical Editor's classes, Görkem drew class diagrams for them and I wrote the explanations of classes. Also I reviewed Data Flow Diagrams and data dictionary of our project and makes corrections according to changes that we did. In addition, I prepared testing plan and strategy with Fulya. We had a problem about our website and I re-created it using HTML.

Tayfun TEKİN – 1347996

Last week was one of the milestones of the project which was the preparing the “Initial Design Report”. Firstly, I have extended the requirements of the Debugger Module and DOM Inspector Module in a detailed way. As we stated before, we want to use open-source debugger and add some functionality on it. Because of this, I have created one Class Diagram for debugger module which consists of the functionalities our debugger will have. Secondly, GUI of our IDE had some missing parts which were showed three weeks ago. I have completed the GUI for “Initial Design Report”. This GUI was coded in one JAVA Class. So, we have decided to divide the GUI Class into parts in order to maintain the GUI more easily. Then, I have created Class Diagrams of GUI with Aylin. After all class diagrams were finished, we had discussed all class diagrams one by one. Lastly, I have updated the Gantt chart for the scheduling part of the report and I done some research about Embedded Browser. I found that we will able to embed Mozilla GECKO Browser within a Java Application.