GROUP WEEKLY REPORT:

After the assignment of the project and the main features to be implemented, we started to investigate related technologies. These technologies include web development environments, database access libraries, and Jabber Server (Openfire). We made a general research on web development environments, especially on ASP.NET and JSP. We decided to use ASP.NET because of the technical backgrounds of team members. We are planning to save more time for other researches and development by this choice. We installed Openfire and performed some simple tasks using the browser based management console. Also we began seeking necessary knowledge to develop a plug-in for Openfire. Since our project will use a DBMS (probably extensively), we began studying ADO.NET and JDBC libraries.

PERSONAL WEEKLY REPORTS:

_Esra ABACIOĞLU_
_Time Keeper, Initiator_

The topic of our project design has known for just two weeks. We shared the topics as soon as possible. My duties about the project is dealing with development of the jabber plug-in. Since before I had no idea on the concept of jabber and writing plug-in ,I tried to explore them and note the points that I enjoyed. I have examined their features that they have provided, their usefulness and their ease of use. I studied some plug-ins for Eclipse. I analyzed their GUIs, text editors, functionalities. I tried to note their advantageous and disadvantageous features.

_Taha Bekir EREN_
_Team Leader, Initiator_

Since the main body of our project will be consisting of a client web application, I made researches on alternative technologies. I tried to gain enough knowledge to compare ASP.NET and JSP technologies, which are the most leading web development environments. During the research my main concern was internals of AJAX implementation in corresponding frameworks for ASP.NET and JSP. UpdatePanel class is the most used class of ASP.NET AJAX framework, which provides a general and automated way to implement
AJAX behaviour (without writing javascript manually). But there is a drawback: UpdatePanel posts back all form fields and viewstate, and updates the page partially. This means the bandwidth gain only rises from response, not the request. When I first figured out the situation I was terrified by the inefficiency, but when I inspected the corresponding JSP frameworks I noticed that they use a similar architecture. As I understand, this is a necessity to provide security and event-driven (through view states) web applications.

Mine KARAKAYA
Devil's Advocate, Recorder

According to the technical work distribution of our project, my duty is dealing with database administration and implementation of database related classes. During the week, I have read general information through www about ADO.NET. I learned that ADO.NET can be used with programming languages from the .NET Framework as it is based on the .NET Framework and is integrated with the Framework class library. The parts ADO.NET consists of are providers and services. The providers are objects that know how to talk to specific data stores. An integral part of providers is data adapters. Adapters are used to exchange data between a data source and a dataset. The services are built on providers and they facilitate writing applications. The part of services that enable the interaction with the providers is the service surface through the ADO.NET DataSet. Beside the research I have done for ADO.NET, I set up the web page of our group.