GROUP WEEKLY REPORT:

This week we resolved the polling of messages to the web client issue. We created a simple plug-in for the Openfire. We chose MS SQL Server Express Edition as our DBMS and began research on it. We installed SQL Server Management Studio and tried to implement simple tasks. Our plug-in developers began enhancing their Java knowledge.

PERSONAL WEEKLY REPORTS:

Esra ABACIOĞLU
Time Keeper, Initiator

I tried to strengthen my hold on the knowledge of jabber and java language. In order to increase my knowledge I read some articles about jabber in order to fully understand the underlying logic behind jabber. Since our objective is to create prototype at the end of this term I started to learn Java. I started to study Java from tutorials at the web address: “http://java.sun.com/docs/books/tutorial/”. I plan to finish basic tutorials in two week time to be ready to start coding of the project.

Taha Bekir EREN
Team Leader, Initiator

I inspected possible techniques to make instant messaging possible in a web based environment. It is harder to implement instant messaging in a web client than a desktop application. When you receive some message with the jabber protocol you can synchronously display it on the screen in a desktop application. But this is not the case in a web application, where messages come to server and requested by the web client asynchronously. Since we can’t invoke any code in the web client from the server, we have to pull the new messages from the server. This can be periodically done by asynchronous calls to server within javascript. Since we are going to use ASP.NET to implement the web application, I looked for possible implementations of this technique with ASP.NET. There are two similar methods called web methods and page methods. They can be called from javascript code, and the result can be received asynchronously (this is an AJAX call actually).

Erdem Karahan
Gate keeper, recorder, optimist

This week’s goal was to achieve creating and using a simple OpenFire plug-in. The web-site http://www.igniterealtime.org was helpful for me to achieve the goal. I wrote a simple plug-in code that uses the draft provided by the plug-in developer tutorial in the web-site. I complete the remaining part of the draft with a simple code segment that opens a text file and writes a short text into the file. I created the necessary folders and files with the specified order and put them in the “plug-in” folder that OpenFire uses for the plug-in purpose. Thanks to the same web-site, I also gained the information about “how any plug-in uses OpenFire API to perform necessary applications”.
As a team, we decided on the database we are planning to work with Microsoft SQL Server 2005 Express Edition with Advanced Services. Express Edition will be sufficient for our project according to us as it can create databases up to 4 GB in size, support up to one CPU, but can be installed on any server. It includes several GUI tools for database management. One of them is; which I am going to use during the project; SQL Server Management Studio Express making SQL Server Express databases easy to manage and administer. On my behalf, I can say that I will take advantage of rich documentation and Express Edition Forums. During the week, I read the technical articles about Microsoft SQL Server 2005 Express Edition and SQL Server Management Studio Express, therefore for the time being I know the basics of SQL Server 2005 Management Studio Express Edition like basic object creation and database administrative tasks, security and disaster preparedness. I have already learned SQL during the courses anyway; I took a glance at SQL. In one of the documents, it is written that Microsoft SQL Server 2005 Express Edition has a deep integration with Visual Studio 2005 according to the property In-process data access with ADO.NET. As I am a beginner in ADO.NET; I did not understand the term; searched and read an article named “In-Process Data Access in SQL Server 2005” (from the book “A Developer's Guide to SQL Server 2005”). I found out out that the term is just about what I started to learn in ADO.NET; accessing and processing a database from ADO.NET.

**NEXT WEEK:**

We will,
- begin studying ASP.NET Ajax control toolkit
- inspect openfire plug-in development in more detail
- create a simple application using ADO.NET and MS SQL Server
- go deeper in Java