MIDDLE EAST TECHNICAL UNIVERSITY

COMPUTER ENGINEERING DEPARTMENT

Anafor Yazılım 1st Meeting Report

16.10.2006

Group Members:

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Canan ESKİ

Yavuz GÖKIRMAK

Duygu GÖRGÜN

TOPICS TO BE COVERED:

- Deciding on functional requirements

- Query to be prepared for market research

- Preparation of the web site of the group

- Deciding on the logo

MEETING:

Meeting started with the speech of each team member about what they have done during the week. Then we talked about the functional requirements. We had already decided basic fuctional requirements on project proposal. These were;

- ✓ Widgets such as tree view, tool bars and tabs
- ✓ Server connectivity
- ✓ Extensive tools for development and debugging
- ✓ Syntax highlighting
- ✓ Syntax checking
- ✓ Auto completion
- ✓ Error handling
- ✓ Code indentation
- ✓ Language support
- ✓ Help menu
- ✓ Integrated browser
- ✓ Code and design view
- ✓ Predefined code generation
- ✓ Customizable user interface

More importantly and additionally we discussed on an issue which was an idea of a group member – Candan Ceylan. The idea was whether we could make the application web based or not. We argued on that the trend in software is growing in a way such that in near future a lot of desktop applications will be web based. We decided that in addtion to being more powerful - since it won't use the sources of the developers' PCs - it will also give the choice of *uzaktan erişim* to the developers. Although we had made research on this issue we didn't have enough information so we consulted the instructor Dr. Onur Tolga Şehitoğlu. He advised us not to make a web based application because of the complexity of such a work.

We have prepared a query for the market research. These questions are posted to the software companies. They are also important for detecting the customer needs. The query is in Appendix A. In addition to this query each team member had also made search on the internet whole week and we talked about those research results.

We have also talked about the web site of the group and decided that it is not an urgent issue. So we decided to do it during holiday.

Lastly we talked about our logo and agreed on the one which had been done by the team member Duygu Görgün. The logo is the one we have used on the cover of this report.

PERSONAL WEEKLY REPORTS:

Saliha ALTUNSOY
Project Leader, Gate Keeper

This week, what I have done mostly is the information gathering for our project. First of all, I made searches on the internet to learn what Ajax is and where it is used. Since Ajax is a big topic I couldn't study it in a very detailed manner but I went over the main parts of it. Additionally, for our market research, I made searches on the internet to find out the tools similar to what we had intended to develop. After these searches, I found several development environments for Ajax. Some of these are development tools on their own, but on the other side some of them are used with existing development tools such as Eclipse, etc. As my friend Candan stated, Tibco is developed only for Ajax development and ThinkCAP can be another example for this group. And ATF, Rico, DWR are examples of the second group which can be used with existing tools. Moreover, in our group's weekly meeting, we decided to prepare a questionnaire for the users of Ajax to learn their opinion about the existing tools and the tool to be developed. I mailed this questionnaire to computer engineers and examined the results of them. And I made a few face to face meetings with the engineers involved in this area. I think this is all what I have done during the week for our project.

Candan CEYLAN
Timekeeper, Optimist

First of all, since we will be developing an developer's studio for AJAX and features in an IDE is very crucial, I looked at some web applications development environments which are NVU and QUANTA. Then, while researching in the internet I found an AJAX toolkit. (http://www.tibco.com/devnet/index.html), I examined this product and watched the video

tutorials about this program which can be found on this web page. Finally, I came out with an idea which is "our developer studio will be on the web". People do not have to install programs into their computers just like Google Docs & Spreadsheets (docs.google.com). But we, as a group, decided not to do like this because of complexity of this idea.

Canan ESKİ
Initiator, Recorder
During the week I have done research on the internet. My research was about what the layers of a desktop application are, what AJAX is, what the layers of AJAX are and what the other development studios for AJAX are. I gained knowledge on these issues. I have found an AJAX development tool on the internet called htmli. As far as I understood the tool is similar to the one we are planning to do. So I had observed it to get an idea about our project. I established a contact with the developers for them to advise us sources for our research. I have also observed the tools which my group friends has mentioned. We had a meeting on Monday with the team and talked on functional requirements, market research, web site of the group and logo of the group. We agreed on all of these issues. Each team member have been sending the query we have prepared to the software companies to observe the market, detect real life problems and find out consumer needs.

Yavuz GÖKIRMAK
Optimist, Initiator
This week I tried to understand general principles of AJAX and user necessities of such an IDE. I've used internet to get the information about ajax, and I tried to contact nearly 100 companies in order to get their ideas. I talked to Mehmet U. YILMAZ who is an engineer in Tubitak ULAKBIM and asked to him some questions about the project. I learned the architecture of a desktop application, platform independency, cross programming …etc. And also I checked the system as "writely", new project of google. I did research about this topic to learn whether it is suitable to our project.

Duygu GÖRGÜN
Devil's Advocate, Summarizer
This week, generally, I did research through internet. I tried to find information about AJAX and I saw that AJAX is more complicated than I had known. I found a tool called ThinkCAP and checked it over.Then I started to find information about XML, Javascript.. etc and I found some e-books. Beside these, Saliha and I talked to the engineer who is from the firm that we

did our summer practice, we got his ideas about our design project. Moreover, I found a newsgroup of Mozilla that is for ajax and I post a message in order to get their ideas and suggestions about our project. Furthermore, my friends and I came together in order to share our ideas. Our friend Candan talked about his brilliant idea that is designing a web application rather than desktop application. We criticized that idea and did rearches about this.

Appendix A

1. Web geliştirme sürecinde hangi teknolojileri kullanıyorsunuz?

2. Masaüstü uygulaması olarak çalışan web geliştirme ortamlarının verimi ve performansı hakkında ne düşünüyorsunuz(Eclipse, Dreamweaver gibi araçların sistem kaynaklarını tüketmesi)?

3. Ajax kullanıyor musunuz? (Bu soruya cevabınız evet ise 4. soruya geçiniz.)

3.a Ajax teknolojisi hakkında bilgi almak ve/veya kullanmak ister misiniz? (Bu soruyu cevapladıktan sonra sona gidiniz.)

4. AJAX geliştirmek için kullandığınız bir araç var mı?

Kullandığınız bir araç varsa;
4.a Kullandığınız araçta geliştirilmesini/eklenmesini istediğiniz özellikler var mı?

4.b Kullandığınız araçta en çok neyin eksikliğinden dolayı sıkıntı çekiyorsunuz?

5. AJAX geliştirmek amaçlı bir yazılımın geliştirilmesine katkıda bulunmak ve sonrasında bu aracı kullanmak ister misiniz?

5.a Geliştirilecek bir aracın şu an kullanmakta olduğunuz bir geliştirme ortamına eklenti olarak konulmasını mı tek başına çalışan bir uygulama olmasını mı istersiniz?

5.b Geliştirilecek aracın masaüstü uygulaması mı web üzerinden çalıştırılacak bir uygulama mı olmasını istersiniz?

5.c Geliştirilecek araçta olmasını istediğiniz özellikler nelerdir? Hangi ekstra özellikler geliştirilecek aracı seçmenize sebep olur?

5.d Geliştirilecek aracı hangi platformlarda ve hangi araçlarla birlikte çalıştırmak istersiniz(Mozilla Firefox, Internet Explorer, Apache, Linux, Windows, MacOS vb.)?

—Eklemek istediğiniz fikirler/öneriler var mı?