AJAX DEVELOPMENT ENVIRONMENT

PROPOSAL

KARINCA TEKNOLOJİ

COMPANY

Company.Name:

     We get our inspiration from the ants - the most hardworking living things in the universe. Also their perfect team work ability fascinated us. Thus we established our name as Karınca Teknoloji.

Company.Members:

Name	Id	Mail
Okan KÖYLÜ	1297985	okankoylu@gmail.com
Halil BALLI	1347194	halilballi@yahoo.com
Ali Caner PARMAKSIZ	1347863	acparmaksiz@yahoo.com
Volkan AK	1394584	volkean@yahoo.com

Company.Roles:

     Initially we have determined possible main roles to facilitate the progress of our project. We are not strict about the roles and duties, so by the time and according to project needs these roles will become clear.

Project Leader:
- Coordinates main progress of the project
- Motivates members of the team
- Makes contact with outsiders
- Monitors progress

Research Manager:
- Organises technical research and development
- Offers tools,libraries and utilities
- Distributes related tutorials about technical details
- Researchs solutions for technical problems
- Assigns research topics to the members

Documentation&Archive Coordinator:
- Deals with all the reporting process of project
- Records the minutes of meetings, ie. decisions, new ideas,etc.
- Archives soft and hard copies of documents
- Controls the formatting of the reports

Meeting Manager:
- Arranges suitable time&place for the meetings
- Determines the agenda
- Keeps track of the participation of team members

-   Tracks time distribution on the meeting topics

Company Roles:

Responsibility	Member
Project Leader	Okan KÖYLÜ
Research Manager	Volkan AK, Ali Caner PARMAKSIZ
Documentation&Archive Coordinator	Halil BALLI
Meeting Manager	Ali Caner PARMAKSIZ

Roles in meetings:

Member	Roles
Okan KÖYLÜ	Leader, Initiator, Gate Keeper, Summarizer
Halil BALLI	Recorder, Devil's Advocate
Ali Caner PARMAKSIZ	Time Keeper, Optimist, Initiator
Volkan AK	Devil's Advocate, Initiator

PROJECT

Project.Title:

K-Ajax

Project.Description:

Internet has become an indispensable part of our life in every area from bussiness applications to the entertainment world. In web appllications usability, interactivity and speed is very crucial. When we examine the existing web applications today, interactivity and especially slowness are our main problems that we face with frequently. The reason behind the slowness is the *classic web application model,* reloading of entire page in case of loading only the required part. This approach increases bandwidth and network traffic

massively. For example, when we consider two most popular mail services Gmail and Yahoo, we see that deleting a mail in our Yahoo account leads to the refreshing of the all page, however doing the same process in our Gmail account leads to refreshing of only the mailbox not the all page. So, this makes advantage of updating only the necessary part of page and gaining from time. What provides this is the asynchorous usage of javascript and xml request together - *AJAX*.

AJAX (Asynchronous JavaScript and XML) refers to a set of techniques centered on background browser to server communication. Instead of always submitting a full page of data to the server and receiving a full page back, by using AJAX techniques, an application can send an individual field value and receive information to update a portion of the page.The result is that, with AJAX, web applications can be much more responsive and intuitive.

AJAX, not only changed the usability of programs by the end-users but also brought a new perspective to the web programming developers. Instead of working with all pages and forms, developers have started to work at component level and leaded to the coming of more event driven programs. However, these innovations have brought an extra burden to the developers. In traditional web applications, programmers were only responsible for only the pages going to and coming from server. Now, they are responsible for not only from the HTML pages but also a field of a page, XML, Javascript that is executed on the client side. As a result of all these developments, programmers now have a huge need of more programmer friendly studios. At this stage, in our project we want to meet these demands developing a developer studio for AJAX programmers.

Application Areas

Our studio will be used for developing more interactive web applications. These web applications will have various usage areas. We will be able to use desktop programs i.e instant messengers, word processors, spreadsheets using these web applications, as if they are installed in our computer even they are not. Secondly, benefiting from the operating system independent property of AJAX, web applications developed