

SoftRUNNER - Project Proposal

Team Members

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Zerrin BOZEL 129757-1

Roles and Responsibilities

We do not have a specific leader since we are only three. All the decisions will be held together so as the base agenda or scheduling. But we will share some responsibilities especially the ones for the meetings. Burcu ARDIÇ will lead the meeting, Zerrin BOZEL will be responsible for taking minutes, and also summarizing. Pınar ÇELİKOĞLU will be communication provider. The roles of the team members are as follows:

	Bozel	Çelikoğlu	Ardıç
Initiator	✓	✓	✓
Recorder	✓		
Devil's Advocate/Skeptic			✓
Optimist		✓	
Timekeeper	✓		
Gate Keeper	✓		
Summarizer	✓		

Project Description

A tool will be constructed to be used for planning, management and supervision of a development project. Online and multiuser facilities for project scheduling, gantt chart construction, task dependency management, critical path management, group based and individual task assignment, human and other resources management, project status overview, groupware task and meeting schedule will be provided by this tool.

Scope

As people developing projects became more professional, the project management is getting closer to the importance it deserves. By the way, as the project management gained importance, projects are becoming more efficient and professional. Computer aided management systems are much more compact and rational. Their basic advantages are: speeding up and easing the process and reducing the cost and saving human resource. Our general intent is to develop such a product that will automate the management of projects for any kind of projects, and additionally on any environment. General features of our product will be:

- Allowing team members to access a project from various environments.
- Providing a graphical and user-friendly tool.
- Providing secure ways for interacting with the system and data transfer.

Team Organization

Our team structure will be “Democratic Decentralized” type. Since we are a small team and the project is complex, it would be hard to form a hierarchical team structure. Besides we are not so experienced and communication between team members is essential. Because of the necessity of discussions, we believe that we will be successful with DD team organization.

Since by the end of this semester we will have done the analysis and design phases our project, we choose linear sequential model. As in the linear sequential model, we will perform analysis, design, implementation and test phases sequentially. Therefore, we will not have a chance to change our system requirements or design at the later stages of the project. For example, new requirements that emerge at the later stages of the project may cause to change design or implementation which can be a disaster for the project completion. Also we will give greatest importance to our project’s design since better design will lead to better final product and also simplicity in implementation and test phases of our project. In addition, linear sequential model will not be the only model that will be used. We are aware of the importance of evolutionary models which give

flexibility to our project. Our aim to use this model also is to see the problems before they become destructive to our works. By using prototypes we will gain information about difficulties, simplicities, and effectiveness of our methods, development tools and design. Also this method will help to build a better prototype which will present at the end of this term.

Milestones

Analysis of Project: 4weeks

- Searching on the general project management system properties: 1 week
- Defining system requirements :3 weeks

Design of Project: 6 weeks

- Database package: 1,5 week
- Project management engine package: 2 weeks
- Security package: 1,5 week
- User interface package: 1 week

Prototype development: 2 weeks

Implementation: 8 weeks

- Database: 1,5 week
- Engine: 3 weeks
- Security: 2 weeks
- GUI: 1,5 week

Testing system: 4 weeks

The reason why design phase is longer since better design provides efficient easier implementation. Also, the implementation phase is the longest because project members are only three and inexperienced in the development tools that will be used in the project.

Software and Hardware Requirements

Development

- An object oriented programming language integrated development environment (Java or C# or etc.)
- A Database Engine (e.g. Apache)
- MS Visio
- Three Intel Pentium 3 compatible computers with at least 128 MB memory

Server Side Requirements

- A web server
- A database server (SQL or mySQL or etc.)
- Server Hardware: Pentium 4 compatible computer with 1GB memory

Client Side Requirements

- A computer with an internet connection
- Windows 9x/2000/XP
- MS Internet Explorer 5.5 compatible