BBM 384 – SOFTWARE ENGINEERING LABORATORY

ONLINE SHOPPING SYSTEM

PROJECT PLAN

GROUP 19

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Online Shopping System

Project Plan

1 Introduction

This Project Plan provides the general framework and establishes specific strategies and milestones for execution of the online shopping system project. The PP will define the project's requirements and expectations. This is a living document and will be updated as required

2 Project organization

Team Member	Software Project Manager	Software Architect	Software Tester	Software Configuration Manager	Software Analyst	Software Developer
Alperen ACER	X					X
Rıdvan İSANÇ		X				X
Melike SOLMAZ			X			X
Tansel ALTINEL				X		X
Muammer SOLMAZ					X	X

3 Development process and measurements

We will be using iterative development approach. Productivity of group members (hour / week) involved in project will be measured as project metric. Estimated effort distribution for the project task can be seen in Figure below.

Tasks	Date Range	Work Load	Hour/Work
Project Management	11/03/2019 – 31/05/2019	11 Week	Along the project
Requirements Documentation	14/03/2019 – 29/03/2019	2 Week	10 hour/week
Architecture Design	29/03/2019 – 12/04/2019	2 Week	10 hour/week
Development	12/04/2019 – 17/05/2019	5 Week	15 hour/week
Test	17/05/2019 – 31/05/2019	2 Week	7 hour/week

4 Project milestones and objectives

Phase	**Iteration**	**Primary objectives** (risks and use case scenarios)	**Scheduled start or milestone**	**Target velocity**
Specification	I1	**Software Vision & Project Plan** Risk: Target work hours for some tasks can be underestimated. Mitigate Risk: Having proper vision and plan documents minimizes the confusion between stakeholders and provides a better workflow	11/03/2019 - 14/03/2019	10 Hours
Specification	I2	**Software Requirements Document** Risk: Requirements may be too hard for the developer team to implement. Mitigate Risk: Having extensive documentation prevents confusion about the requirements.	14/03/2019 - 29/03/2019	10 Hours
Specification	I3	**Architectural Notebook & System Test Case Definitions** Risk: If project members do not discuss test cases with clients, unexpected situations may arise about the project. Mitigate Risk: Having the required test cases documented makes sure that every test case is satisfied.	29/03/2019 - 19/04/2019	15 Hours

Development	I4	**Software Design Description & Coding Standard** Risk: Not choosing an appropriate programming language can make project implementation unnecessarily hard. Mitigate Risk: Having a good software design, programming language and IDE can make project implementation easier.	19/04/2019 - 10/05/2019	15 Hours
Validation	I5	**Software Test Report** Risk: Not properly testing components can result to unreliable situations. Mitigate Risk: Project tests should be done by test experts. Doing software tests in detail can eliminate unexpected behaviors.	10/05/2019 - 31/05/2019	7 Hours

5 Deployment

The finished product will be available for download from the GitHub repository along with a brief explanation about how to use the web application. After installation on a server, detailed user guide will be provided to users. Updates can also be downloaded from the same repository.

6 Lessons learned

While preparing this document, we have learned:

To identify activities and tasks needed to produce each of the work packages

To define roles and responsibilities

To divide up responsibilities among the project members according to their abilities

To estimate cost of each task, using an average hourly rate for each role

To consider how much time each group member can realistically devoted to this project

To develop a schedule

To mark specific points along a project timeline

To minimize the risk problems with thinking in detail.