



**BBM384**  
**Software Engineering Laboratory**

**Online Book Store System**  
**Project Plan**

**Group name : DEVAMKE**

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|--------------------------|----------|
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Prudentia	
Project Plan	Date: 08/03/2020

# Prudentia Project Plan

## 1 Introduction

Project plan about how to develop and manage online book purchase system. This shows what technologies used and the scheduling of the system's development life cycle. It also includes requirements and expectations. This is a living document and will be updated as required.

## 2 Project organization

Team Member	Software Developer	Software Architect	Software Project Manager	Software Configuration Manger	Software Tester	Software Analyst
Muhammed Said Kaya	X		X			
Ali Kayadibi	X					X
İhsan Kürşad Ünal	X			X		
Muhammet Eren Taşdemir	X				X	
Emre Hancı	X	X				

## 3 Development process and measurements

This project will be developed using **Agile-Development-Approach (ADA)**. We will keep track of out project progress by meeting every week on Thursday in library. We will use Trello for collaboration and project process tracking.

TASKS	Date Range	Workload	Hour/Work
Project management	09.03.2020-11.05.2020	<b>10 Weeks</b>	<b>Along the Project</b>
Requirements-Documen tation	09.03.2020-23.03.2020	<b>2 Weeks</b>	<b>15 Hour / Week</b>
Architectural Design	24.03.2020-07.04.2020	<b>2 Weeks</b>	<b>12 Hour / Week</b>
Development	08.04.2020-11.05.2020	<b>6 Weeks</b>	<b>21 Hour / Week</b>
Test	08.04.2020-11.05.2020	<b>6 Weeks</b>	<b>5 Hour / Week</b>

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## 4 Project milestones and objectives

Phase	Iteration	Primary Objectives(risks and use case scenarios)	Scheduled Start or Milestone	Velocity
Planning	I1	<b>Planning How to Develop Software System</b>  <b>Risk:</b> Target work hours estimated blindly, it may not satisfy estimates. <b>Mitigate Risk:</b> Detailed documentation about planning and tracking other members reduces deflection.	09.03.2020  -  13.03.2020	15
Documenting Requirements	I2	<b>Documenting Software Requirements</b>  <b>Risk:</b> Not deciding requirements might create confusion between team members, not knowing the requirements might delay implementation time due to learning, requirements might be hard to implement.  <b>Mitigate Risk:</b> Having a proper documentation prevent confusion about requirements.Team will adapt quicker to requirements.	13.03.2020  -  28.03.2020	15
Deciding Test Cases	I3	<b>Deciding System Test Case Definitions</b>  <b>Risk:</b> If project members do not discuss test cases with clients unexpected test case scenarios might happen after publishing project, if project members do not cover all test cases many software vulnerabilities and unexpected scenarios might happen, users may not satisfy with the current test cases.  <b>Mitigate Risk:</b> To make sure every test case is covered , having the test cases documented helps us keep track of our progress and it makes sure that every test case is satisfied.	28.03.2020  -  18.04.2020	20

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Development	I4	<b>Software Design</b>  <b>Risk:</b> Not choosing right technologies that can make project implementation easy can make project take more time, it makes implementation harder. It may not even satisfy our needs and requirements.  <b>Mitigate Risk:</b> Having a good software design, choosing right programming languages, IDE and technologies can make project implementation easier. This makes sure that team will not face technical issues during implementation.	18.04.2020  -  8.05.2020	20
Validation & Testing	I5	<b>Software Test Report</b>  <b>Risk:</b> Not testing components, test cases might result software vulnerabilities, unexpected scenarios, unreliable stations.  <b>Mitigate Risk:</b> Testing must be done by project tester regularly to make sure that everything works in wanted way. Testing regularly will eliminate software vulnerabilities, unexpected scenarios and unreliable stations.	8.05.2020  -  11.05.2020	10

## 5 Deployment

The project will be published on GitHub. We will keep our project updated with GitHub commits. Our project will be available to others for download. Short explanation about how to use the web application will be given

## 6 Lessons learned

While preparing project plan document we learned:

- Task managing and scheduling
- Risk management
- Cost estimating for each task
- Developing a plan for software development
- Distribution of roles and defining responsibilities
- Decision making