

IA4580 Project Milestone 1: Project Requirements analysis and planning

Executive Project Summary

Problem statement

One of the major issues we have noticed in existing restaurant ordering applications is security concerns. Customers want their data to be remained secure while they order food from a restaurant. This is the main motivation for this project, using Paypal Payment Gateway the customers will easily make orders in a reliable way.

Goals:

Our goal is to provide users a secure and reliable restaurant ordering app that can entertain 1000s of users at a time without crashing or losing its performance. Hence, secure restaurant ordering app aims to increase customer satisfaction up to 90% in first 3 months. On the other hand, the complete tested project will be delivered in 4 months after the contract sign.

Merit of the project

The most important asset of any business organization is their customers, so we want our customers to have trust on this application in terms of security and safety of their confidential data. In online applications customers want their credit card information to be highly secured and hack proof. To gain the long term benefits and customer satisfaction our main focus will be the software architecture that needs to be hack proof by using appropriate software architectural styles.

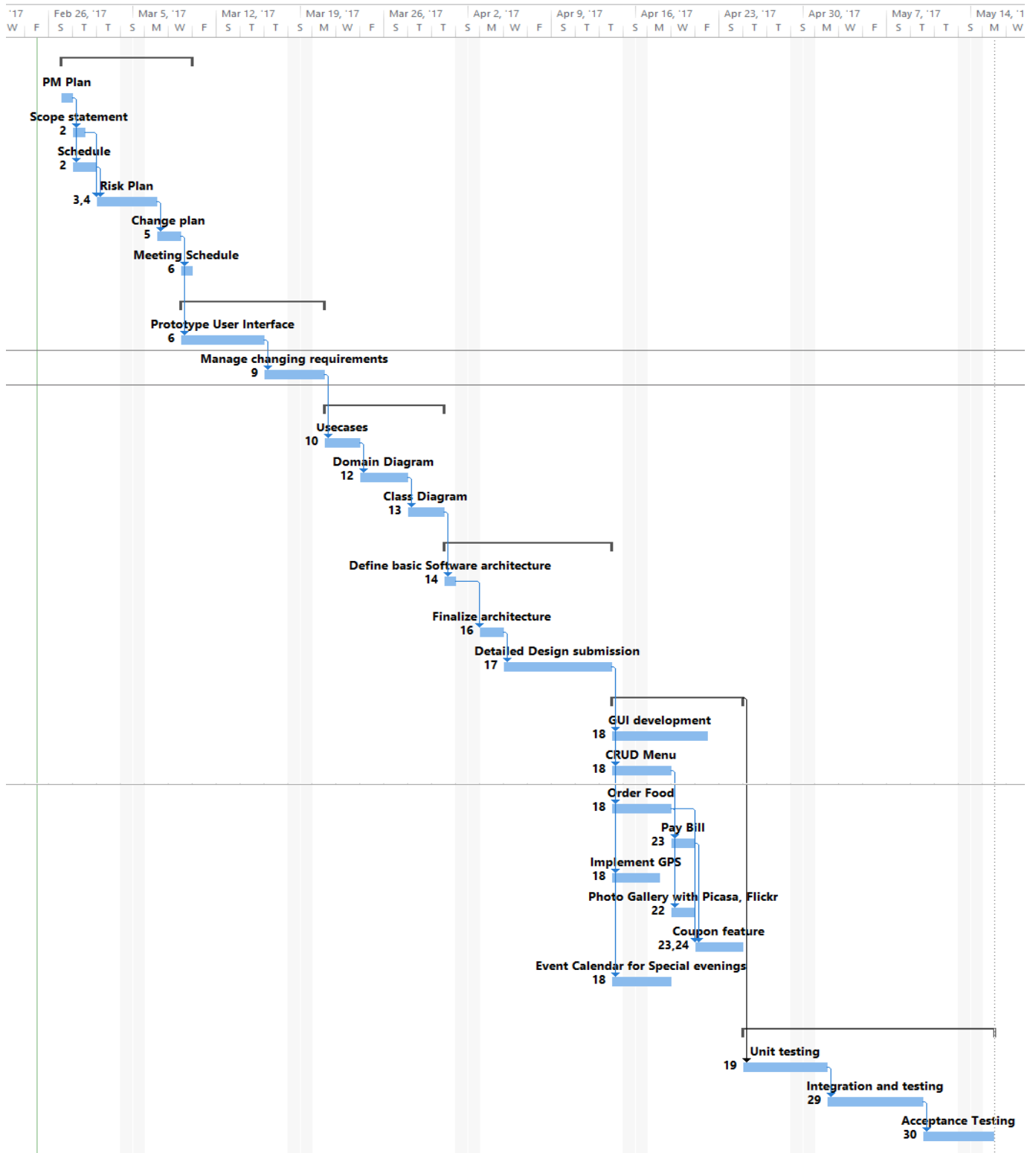
☐ Proposed project timeline - When will you do it?

- Define the tasks and expected time to completion

Task Name	Duration
Project Management	9 days
PM Plan	1 day
Scope statement	1 day
Schedule	2 days
Risk Plan	3 days
Change plan	2 days
Meeting Schedule	1 day
Requirements	8 days
Prototype User Interface	5 days
Manage changing requirements	3 days
Refine System Definition	8 days
Use cases	3 days

Domain Diagram	2 days
Class Diagram	3 days
Architectural Definition	10 days
Define basic Software architecture	1 day
Finalize architecture	2 days
Detailed Design submission	7 days
Development Components	7 days
GUI development	6 days
CRUD Menu	3 days
Order Food	3 days
Pay Bill	2 days
Implement GPS	2 days
Photo Gallery with Picasa, Flickr	2 days
Coupon feature	2 days
Event Calendar for Special evenings	3 days
Testing	15 days
Unit testing	5 days
Integration and testing	6 days
Acceptance Testing	4 days

- **Create and submit a gantt chart**

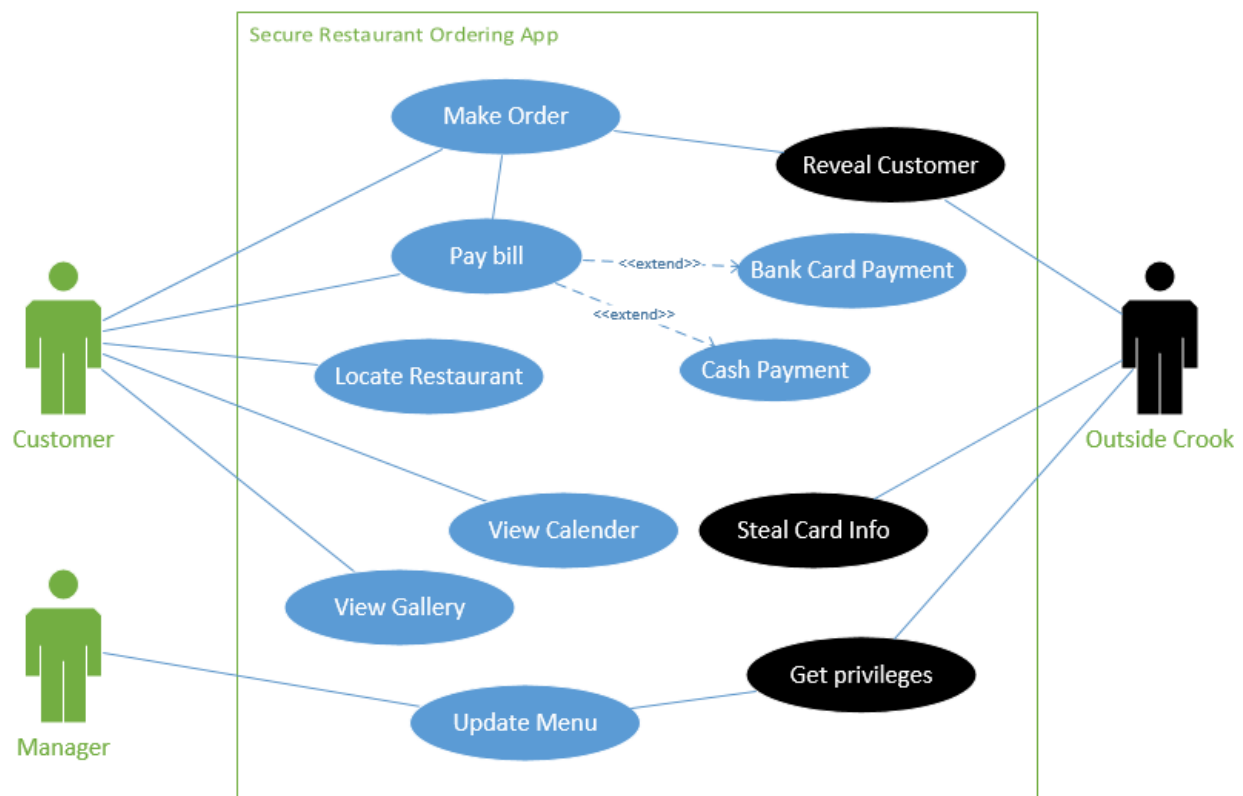


☐ Project-oriented risk list - What could go wrong in the project and why?

Risk Name	Impact	Likelihood	Description
Project management	3	2	Project manager is to able to follow schedule and achieve mile stones
Poor security implementation	5	4	Bad Architect – Unable to implement security
Tool License Expiry	3	2	Tool expired during development and its cost is not factored in budget
Application design	4	4	The design was not reviewed well by the architect
Design Issues	4	3	Some design flaws remain unnoticed
Poor cost estimation	4	3	In terms of man hours or resources.

□ Application requirements - What does your app/product do?

- **User stories**
 - As a user, I can order food in minimum steps.
 - As a user, I can securely pay my order bill.
 - As a manager, I can update Menu frequently without disturbing in process customer's orders.
 - As a user, I can locate nearest restaurant.
- **Use cases**



☐ **Resources/Technology needed - What do you need to be successful?**

Resource	Dr. Hale needed?	Investigating Team member	Description
MS Visual Studio	No	Yaqoob Al Farsi	Required for software design and architect
MS Project management	Yes	Yaqoob Al Farsi	Monitor and control schedule and resources
Android Latest Version	No	Yaqoob Al Farsi	For programming
Android Phone	No	Alsalt Alkharusi	Testing purpose
Tablet PC	No	Alsalt Alkharusi	Testing purpose
Designing tool	No	Alsalt Alkharusi	GUI development

☐ **First Sprint Plan - Create the first plan on trello**

☐ **Note about Teamwork and Group projects**

Tasks	Team Member Involved
Contribution to the github repo	Alsalt Alkharusi, Yaqoob Al Farsi
Activity in the slack channel for your project	Alsalt Alkharusi
Activity on Trello	Yaqoob Al Farsi, Alsalt Alkharusi
Team evaluations	Alsalt Alkharusi