iPad Restaurant Ordering Application

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Group: 20

Introduction

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- **iPad™** Restaurant Application™
- Managing this project presents many unique challenges
- Contains both both software and hardware components
- Configuring the hardware components is just as crucial as developing functional software.
- A benefit of developing iPad ordering application is that there are existing examples of similar systems.

Objectives

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- Reduce time delay of the ordering process.
- Provide as much information as traditional menu
- Reduce costs by decreasing the number serving staff required
- Customers should have the ability to remotely reserve tables.
- Allow customers to give quick feedback so further improvements can be made to the cuisine , and service.
- Cost of installing the system does not exceed the investors' settlement.
- Restaurant/hotel managers can easily decide to revert to the traditional ordering system, or offer a blended ordering system.

Measures of Success

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- System is effective in removing the middleman
- Include all information a traditional paper menu holds
- System is effective in reducing the number of serving staff required
- Allow users to reserve tables
- Use the iPads to rate the dishes they just ate
- Cost of installing the system was within the investors' budget
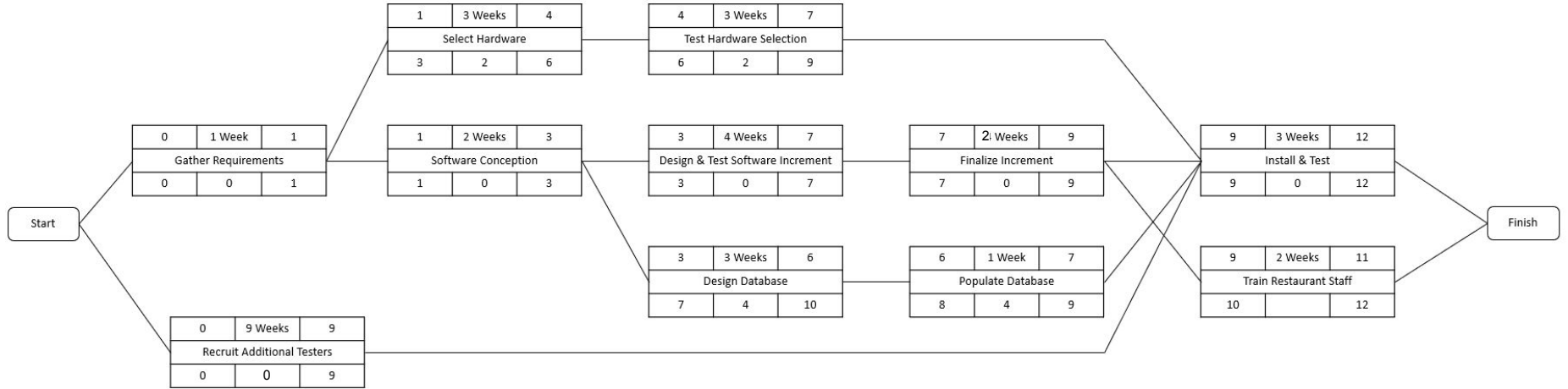
Associated Risks

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Development
- Risk having the ordering system user interface being too complex for users to understand and navigate.
- Risk relying on a specific version / operating system to enable product functionality.
- Risk not meeting all customer requirements due to miscommunication of requirements to development.

Deployment
- Risk customers having difficulty understanding how to use the tablet ordering system.
- Risk of security breaches through the tablet operating system by leaving the ordering app and entering the tablet operating system.
- Risk of system not integrating and performing as required when deployed.

Activity Diagram

1	3 Weeks	4
Select Hardware		
3	2	6

4	3 Weeks	7
Test Hardware Selection		
6	2	9

0	1 Week	1
Gather Requirements		
0	0	1

1	2 Weeks	3
Software Conception		
1	0	3

3	4 Weeks	7
Design & Test Software Increment		
3	0	7

7	2 Weeks	9
Finalize Increment		
7	0	9

9	3 Weeks	12
Install & Test		
9	0	12

3	3 Weeks	6
Design Database		
7	4	10

6	1 Week	7
Populate Database		
8	4	9

9	2 Weeks	11
Train Restaurant Staff		
10		12

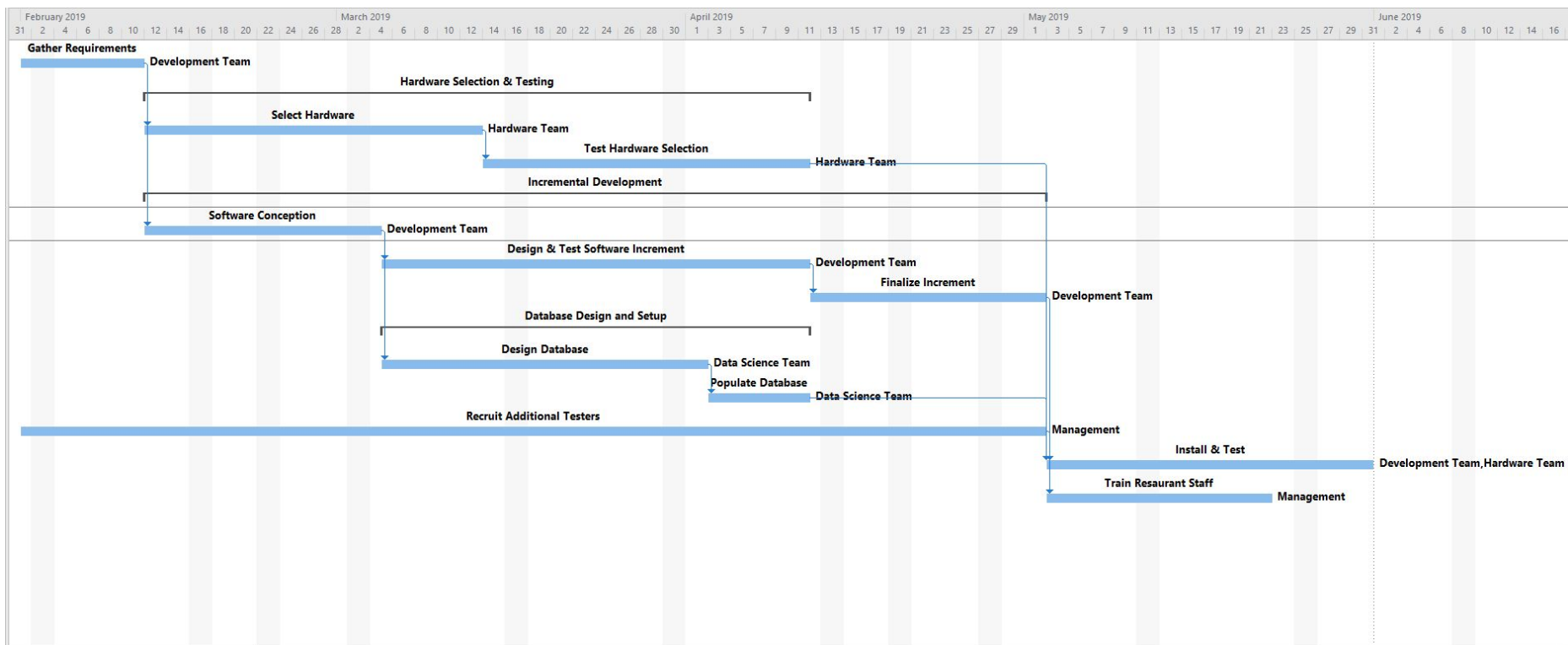| 0	9 Weeks	9
Recruit Additional Testers		
0	0	9

Start

Finish

Infrastructure

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- Several iPads or other tablet devices

- Stable & Secure Wifi network to connect tablets to the network

- Database to store information about the menu items

- Each iPad / Tablet should have a tracking feature

- Order Processing System to process the customers requests

Gantt Chart

Thank you for your time!