

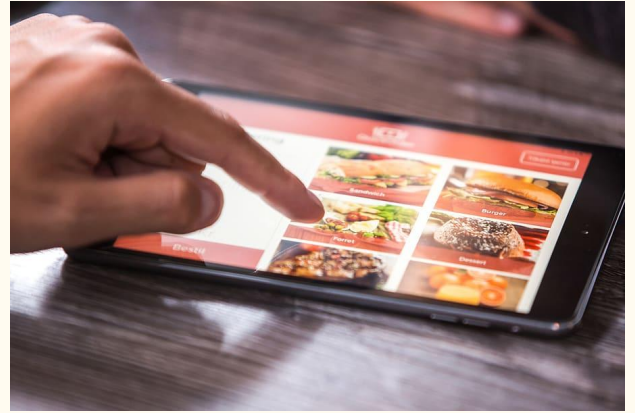
Project: iPad Restaurant Application

Members: Abdul
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Introduction

Project description:

- A Tablet based menu for restaurants



What problem we are tackling:

- Streamlining the food service process
- Provide more detailed information to customers about their food
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Objectives



1. Tablet is easy to navigate and use
2. All important functionalities are implemented (add item, set item description, review order, submit order, add review)
3. Patron is asked to confirm order before sending, after which the order is sent directly to kitchen.

Objectives cont'd



4. Available items are easy to add or remove corresponding to any specials and limited supply.
5. Items have options for adjustments with sides and ingredients
6. One tab can have multiple orders, and duplicates are notified but not ignored.
7. Application keeps track of items that been delivered to customer and items that customers are still waiting for.

Measures of Success

- Time between seating and order being sent to the kitchen is reduced
- Customer reviews show net improvement
- High level of order accuracy
- Increased efficiency amongst waiters
- Outlined objectives are met



Risks



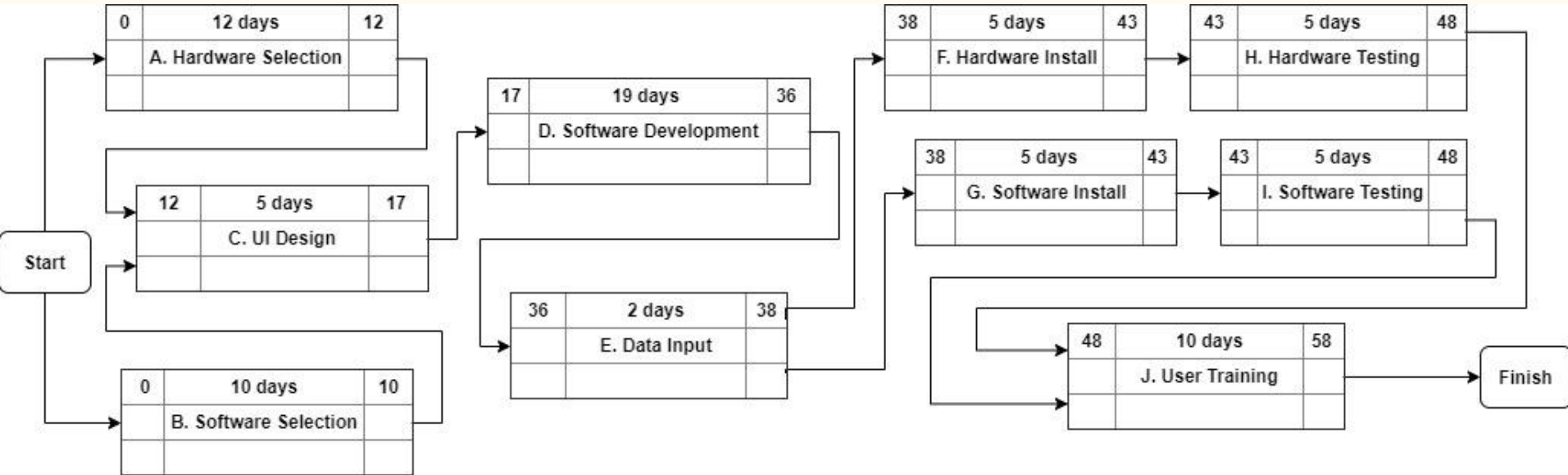
Risk 1: Customer finds the product too difficult to use

- Countermeasure: Hold a training session

Risk 2: Internet connectivity issues cause the system to be unavailable.

- Countermeasure: Cache menu information every time app is opened.

Activity Diagram



$$E = a(KLOC)^b, \quad a = 3.0 \quad b = 1.12$$

KLOC- Since this is a mobile application, and based on our anecdotal experience with mobile apps, we think that the total lines of code will be 4000

$$E = 3 \cdot (4^{1.12}) = \mathbf{14.17}$$

The Infrastructure

- Database
- Server (To Handle Orders)
- Tablets (For customers)
- Tablet/Computer for kitchen staff
- Application (The Software we are building)

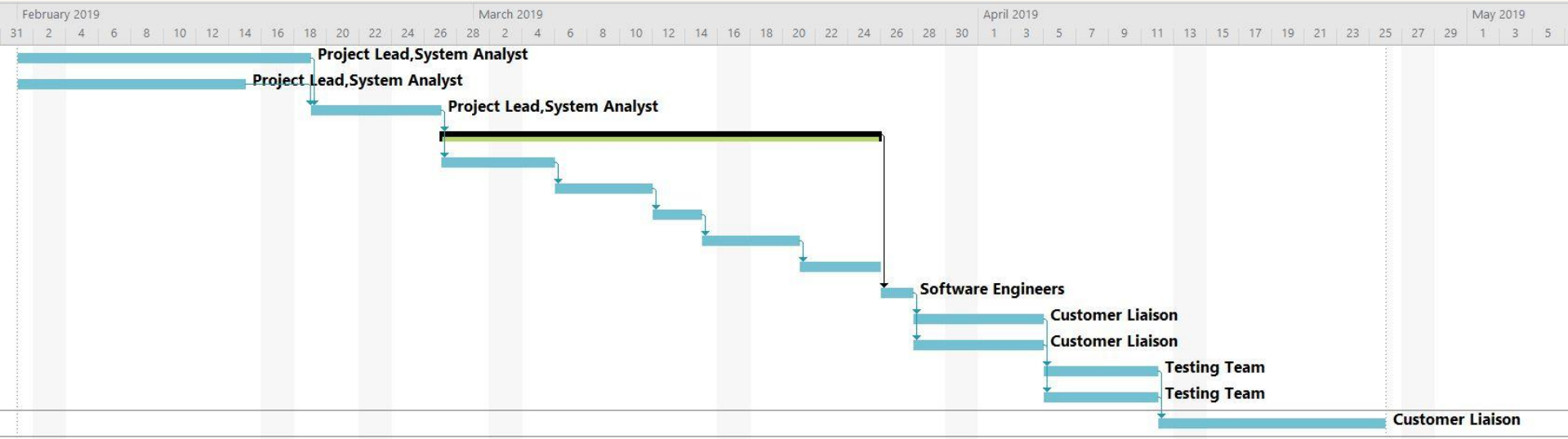


Resources

- **Software Engineers**
 - Software development, Data input, caching feature (Countermeasure 2)
- **System Analyst**
 - Activities: Hardware selection, UI Design, Software selection
- **Project Lead**
 - Activities: Hardware selection, UI Design, Software selection
- **Testing Team**
 - Activities: Software testing, hardware testing
- **Customer Liaison**
 - Activities: Hardware install, Software install, User training (Countermeasure 1)



Gantt Chart



Thank You!

