Shopping Recommendation App
Project Plan

By

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1. Introduction

The aim of this document is to define set of activities which will take place during the development of Shopping Recommendation App. The application will be developed in small parts which will create the final application view. The most important functions which are defined in the Functional Specification document will be implemented first. The second part will be composed of lower level importance functions. The third part of the application will be created by implementing the least important functionalities.

2. Project Schedule

The project implementation will be divided into 3 sections which are called Revisions for this project.

Revision 1

The revision 1 will be started once the Design Manual is progress. The Revision 1 and all other revisions will be implemented according to the content of the design document.

The Revision 1 will incorporate the most important functionalities and basic structure of the application. The Revision 1 will take 29 days to implement which is expected to be finished on 13th of January 2013.

The first task of the Revision 1 is implementation of the User Interface, which will be starting in the first day of the revision 1. All the purposed screen design will be implemented by adding the basic Interface objects. The task is expected to be completed in 3 days.

The User Interface creation phase will be followed by implementation of the user profile facility. The user profile facility will include registration, log-in and profile. This is the most important part of the application as specified in the Functional Specification document. The implementation of the user profile system will take 9 days from the initial start of the task.

The implementation of the User Profile system will be followed by the in app friendship system. This is an essential functionality as users are required to recommend products to each other. This task is expected to be completed in 6 days.

The following task is the implementation of the Product Listing. Product listing task and Product recommendation task will be implemented together, which is expected to be completed in 11 days.

Revision 2

The Revision 2 of the application will implement medium importance functionalities of the application which are essential for the full overall functionality.

The revision 2 of the application will start with the implementation of the Product Search functionality. This task will be completed in 3 days.

The implementation of "Shopping List" will take 10 days to complete. This task will use previously implemented "Product Search" functionality.

The "Shopping List" task will be followed by implementation of "Request/Ask Product". This task will only take 4 day. The earlier implemented "Product Listing" task's code will be modified slightly to implement this functionality.

The "Reply to Request" task will be implemented once the "Request/Ask Product" task is completed. This task is to be completed in 3 days.

The Revision 2 is expected to be completed in 20 days. Once the Revision 2 is completed fully, the project will progress with the next Revision. The project cannot progress to next level without completing the Revision 2. Some delays may occur in order to fully complete Revision 1 and 2.

Revision 3

Version 3 implements the functionalities of the application which are least important. These functionalities are extra functionalities which do not directly affect the main focus functionality of the application.

The "Import Facebook Friends" functionality will be implemented as the first task of the Revision 3. The task is expected to be completed in 6 days.

The "Import Facebook Friends" functionality will be followed by "Rating Facility" task. This task will include implementation of rating system for user profiles and listed recommendations. This task will take 5 days to implement from the initial start of the task.

The "Like Recommendation" functionality will be implemented in 3 days. This task will involve modification of code which was used for implementation of "Product Recommendation."

The "Share Recommendation" functionality will be implemented in 6 days, which will be implemented through a Facebook API.

The "Invite Friends" functionality implementation will be completed in 2 days.

The first part of the task will implement invitation of friends by email. The second part of the task will implement invitation of friends on Facebook.

The last task of Revision 3 is implementation of "Comment Posting" functionality. This task is expected to be completed in 3 days.

The overall time that will be spent for implementation of Revision 3 is 25 days. The project implementation is expected to be completed at the last day of Revision 3. The project will move forward to testing process once the Revision 3 is completed. If the implementation is not completed on time, it will have serious effects on the on time submission of the project.

Training Plan

This project work will not cover any training.

Testing Plan

The application will be tested in various Android mobile phones such as HTC Sensation XE, Samsung Galaxy S3, and Galaxy S4. The application will be also tested during the development process under the Android Studio IDE and Android Emulator on Windows 7.

Maintenance Plan

There is planned maintenance for this project work. However the application will be written in a reusable way, which allows possible future changes. Extra features may be added if required.

3. Gantt chart

The following Gantt chart gives a better understanding for the planning of the project. It contains each set of activities that is going to take place during the project development. The project success rate will be gauged according to this Gantt chart. An activity phase should be finished before the start time of the following activity. Any possible overlaps may cause further delays and costs during the development.

The project deadline is set as 28th of April 2013; however the project should be finished before this date to allow the testing of the application.

There will be time allocated for the testing and bug fixing of the application. These two tasks can be carried at the same time.

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SHOPPING RECOMMENDATION APPLICATION

Shopping

▼ Initial Start
Set up Cloud

▼ Revision 1
User Interface
User Profile
In App Friendship
Product Listing
Design Manual
Web Page

▼ Revision 2
Product Search
Shopping List
Request/Ask Producct
Reply to Request

▼ Revision 3
Import Facebook
Rating Facility
Like Recommendation
Share Recommendation
Invite Friends
Comment Posting
TESTING
BUG FIXING
User Manual
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Project Submission