To-Do List

Project Plan Document
Project 2, Team 6

Introduction

The software Product which we are working on is titled "TO-DO List for Android".
The To-do List allows users to manage their tasks that they have to accomplish. The user can add tasks ,set the priorities of each task, set the due date for each task, check-off items in the list and hide/show the checked off items. The application will support multiple users. The application will be developed using Android Developer Tools.

Process Description

The development of this project will be divided into several processes. We are following the prototyping model here and each process which will be undertaken is named and described here:

Prototyping

Description: the first process includes developing a prototype as per the information extracted from the requirements given by the customer.

Entrance Criteria: As our project follows prototyping model, the first step was developing an initial prototype as per the requirements given by the customer. The initial prototype was submitted to the customer on 9/17 and gave a general idea about the final user interface of the product. As per the feedback provided by the customer, this prototype is enhanced to accommodate more functionalities and will be resubmitted.

Exit Criteria: This process will end when the final prototype is approved by the customer.

Design → Architecture

Description: This consists of drafting a high-level design document describing the key outline of development of the Software Product. The procedure is depicted with the help of using basic design nodes.

Entrance Criteria: The architecture design is being worked upon as per the feedback provided by the customer for the initial prototype. It covers the basic skeletal outline of how the project works.

Exit Criteria: A good skeletal outline demonstrating the architecture design of the Software Product.

Design → Low Level Design

Description: Low level design describes the individual feature and components of the software produce. Basically, the low level design details the previous high level design in greater depth.

Entrance Criteria: A complete architecture / high level design describing the basic outline of the software product. This contains information about the components and features which form our Software Product.

Exit Criteria: A document describing the individual features of the final software product in detail.

Coding & Implementation

Description: This process consists of the coding and implementation of features described in the design documents. As we are following the prototype model, an initial release of the code will be provided to user which will be enhanced later on as per the feedbacks provided by him. The code will be developed using Android Development tool.

Entrance Criteria: As a part of the prototyping we have worked on some code. This code will be enhanced as per the feedback customer provides about the prototype. Code will be enhanced and delivered in multiple releases (at most 2-3). The later releases of the source code should be based on the feedback provided by the customer for the initial releases.

Exit Criteria: The developers confirm that all the specifications mentioned in the design documents have been successfully implemented in the code. The code should function as per the work flow diagram mentioned in the high level design document.

Testing

Description: This includes going through the project and fixing any bugs or inefficiencies found in the process. As we have to deliver multiple releases of our code, the testing will take part before every release. The customer feedback will be considered to decide upon the test strategy.

Entrance Criteria: The test strategy has been decided upon and the test cases have been identified. We will start executing the test cases once we are done with the implementation.

Exit Criteria: The testing phase will end only after the final release of the product. The testing team should conclude that the product is bug free and meeting every requirement and earlier feedback from the customer.

Team Members (in Alphabetical Order)

- o Akash Agarwal
- o Arvindar Singh Saini
- o Manika Andotra
- o Qianqian Wang

Roles

- Prototyping
- Design and Considerations
    - o Architecture Design
    - o Low Level Design
- Coding & Implementation

- Version Control
- Testing
  - Quality Control
  - Test cases and strategies
- Documentation

Individual Responsibilities

	Akash	Arvinder	Manika	QianQian
Prototyping		✓	✓	
Design & Considerations	✓	✓	✓	✓
Architectural Design	✓	✓		
Low-Level Design			✓	✓
Coding & Implementation	✓	✓ (Lead)	✓	✓
Version Control	✓ (Lead)	✓		
Testing	✓	✓	✓	✓ (Lead)
Quality Control		✓		✓
Test Strategy & Cases	✓		✓	✓
Documentation	✓	✓	✓ (Lead)	✓

Estimates

The following are the (revised) estimates for this Project:

- Effort hours: **35** (Total team member hours)
- Lines of code: **500**
- Number of Defects: **6**

Revision History

Version	Date	Description	Author
1.0	9/15/2012	Initial Draft	Akash Agarwal
2.0	9/23/2012	Revised Version	Akash Agarwal