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 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 items. The application will support multiple users and will be developed using Android Developer Tools.

Process Description

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

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 will consist of developing an initial prototype as per the requirements given by the customer. The initial prototype will give a general idea about the user interface of the product. As per the feedback provided by the customers, this prototype will be 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: This will be initialized once we have the feedback from customer regarding the initial prototype of the product. Customer feedback has to be carefully analysed before starting with the architecture design.

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

Design → Low Level Design

Description: Low level design describes the features and components of the software that needs to be produced. The low level design will detail the high level design with a greater depth.

Entrance Criteria: A complete architecture / high level design describing the basic information of software product.

Exit Criteria: A document describing the the details of the features and functionalities of the final software product.

Coding & Implementation

Description: This process consists of the coding and implementation of the features described in the design documents. As per the prototype model, an initial release of the code will be provided to user which will be enhanced later depending on the feed-backs provided by the customer. The code will be developed using Android Development tools.

Entrance Criteria: A detailed low level design document must be ready for the coding phase to start. 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 application 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 bug or inefficacy found during the process. As we might have to deliver multiple releases of our code, the testing will take part before every release. The customer feedback will be considered before deciding upon the test strategy.

Entrance Criteria: The test planning will start as soon as the feedback about the initial prototype is received from the customer.

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 meets every requirement along with earlier feedbacks from the customer.

Team Members (in Alphabetical Order)

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

Roles

- Prototyping
- Design and Considerations
  - Architecture Design
  - 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 estimates for this Project:

- Effort hours: **25** (Total team member hours)
- Lines of code: **400**
- Number of Defects: **6**