

TODO List Manager on Steroids

Project Plan Document

Team 3.09

1. Introduction

The goal of the project is to extend the existent TODO List Application on Android to a Web application and to provide sync functionalities between the Android and the Web application, thereby enhancing the user-experience.

2. Process Description

The team will use the 'Unified Software Process' model to develop the system compounded by both applications.

2.1 Phase 1: Inception. Due Oct 17, 2012 3:00 pm

2.1.1 Iteration 1. Due Oct 10, 2012

In this first iteration, after a first meeting to discuss about the project, each component of the group comes up with a draft for one of the documents, with possible interaction between members if required.

2.1.1.1 Vision and use cases.

For this activity, the team receives a document from the client with the requirements. After this, the team proceeds to establish the Project Plan

(following the USP). This activity doesn't include interaction with the client because the team is already provided with a list of requirements from it.

Entrance criteria: a list of requirements written by the client.

Exit criteria: The team shall document their understanding of the requirements, along with a general overview of the project in a Vision Document and a Project Plan, which details how the team would approach the development of this project.

2.1.1.2 Use cases and risk

The team proceeds towards deepening the understanding of the main requirements given (the supplementary are analyzed in the next phase), in order to write the use cases. Simultaneously, risks are analyzed and are finally refined when the use cases document is ready.

Entrance criteria: the Vision Document written during the previous activity.

Exit criteria: the initial versions of the Use cases document and the Risk Assessment document.

2.1.2 Iteration 2. Due Oct 12, 2012

All of the members will review and complete the other's document.

2.1.2.1 Documents review

Shall the team have enough time, it will come up with some prototypes that make a first approach to the UI and, maybe, one or more of the most risky use cases.

Entrance criteria: The vision, use cases and risk assessment documents.

Exit criteria: One or more prototypes that meet some of the requirements.

2.1.2.2 [Optional] Prototypes

Shall the team have enough time, it will come up with some prototypes that make a first approach to the UI and, maybe, one or more of the most risky use cases.

Entrance criteria: The vision, use cases and risk assessment documents.

Exit criteria: One or more prototypes that meet some of the requirements.

2.2 Phase 2: Elaboration. Due Oct 24, 2012 3:00 pm

2.2.1 Iteration 1: Documents Completion. Due Oct 18, 2012

After having client feedback for the first phase, the team will make any changes and complete the documents. It will adapt accordingly, if necessary, the project plan.

Entrance criteria: The vision, use cases, risk assessment documents and the client feedback.

Exit criteria: Almost complete use case model, risk assessment and project plan.

2.2.2 Iteration 2

2.2.2.1 Additional requirements, architecture and design

Having solid documents, the team shall document a detailed architecture and design for the project, along with Supplementary Requirements (requirements that don't go in the use case model).

Entrance criteria: The vision, use cases and risk assessment completed documents.

Exit criteria: An Architecture Document, a Design Document, and Supplementary requirements.

2.2.2 First prototype and test cases

Simultaneously to the elaboration of the documents of the previous activity, the team will begin coding both applications to build an executable prototype, and a Test Cases Document.

Entrance criteria: Use cases, risk assessment, supplementary requirements, architecture and design documents.

Exit criteria: a first executable prototype of the system, test cases for it, and a preliminary user manual.

2.3 Phase 3: Construction. Due Oct 31, 2012 3:00 pm

During this activity, the team will finish the prototype to convert it to a software product. It will create some more test cases, execute the system tests and get the results. Any bugs which are found are tracked and debugged. Documents are finished and traceability is provided for a couple of use cases.

Entrance criteria: the first prototype source code, the preliminary user manual, the use case document, the architecture and design documents, and the test cases.

Exit criteria: Software product, system tests results, user manual and traceability for a couple of use cases.

2.4 Phase 4: Final Release. Due Nov 5, 2012 3:00 pm

Shall the team finish any pending feature or add a new one, this is the moment. All the documents will be finished, too. The team will also write a post-mortem assessment.

Entrance criteria: The Software Product source code and all the documentation delivered.

Exit criteria: Documentation 100% completed and Software Product finished.

3. Team

Table with Team-Roles :

| | Team Manager | Documentation | Developers | Testers |
|---------------------------|---------------------|----------------------|-------------------|----------------|
| Ishwarya Balaji Gururajan | | X | X | |
| Manika Andotra | X | X | | X |
| Pujita Vijayvargiya | | X | X | |
| Gerard Mundo Bosch | | X | X | X |

Team Manager: Organize the major activities, meetings, and ensure that the project progresses as it should in order to timely meet deadlines.

Documentation: Ensure that documents are completed, formatted, and submitted on time.

Developer: Ensure that the project is developed according to the process plan.

Tester: Ensure that test cases are adequate to establish the correctness of our solution according to the requirements we have gathered from the client.

For each role, the entire team is expected to participate in each step, however everybody is designated a specific area for which they are in charge of directing the work.

4. Estimates

Estimated Team Hours Spent: 200

Estimated Total Lines of Code: 3000-4000 lines of code

Estimated Defects found in Testing: 20 - 25