Process Plan - Team 3.02

Table of Contents

Introduction

Do-D-Due is an application that allows a user to manage their daily tasks. This application allows the user to create a task list, edit and delete it via the android application or the web interface. The tasks will have a name, description, due date and priority. The user will be able to check off items in the list and will be able to hide them. The application will support multiple users, each one with their own lists.

Process Description

We are using Unified Software Process model for developing this application. During the development of this application, the application will go through following phases:

Inception Phase

Description: Analyze and specify the end product vision and business case. In the inception phase the scope of the project is established. As the project is an extension of an existing product, this may be a simple and short phase.
Entrance criteria: The entry criteria is users' or customers' requests, on problem reports, on new technological advances on the existing project
Exit criteria/ Milestone: At the end of the Inception phase, we must have a business case which documents the product vision, use case model, Initial risk assessment plan. Optionally, we may have one or more prototypes.
Iteration : Preliminary Iteration
Risks Addressed:

- The user requirements are elicited clearly.
- Scope is clearly defined
- Checks the feasibility of the project.

*Project may be cancelled or considerably rethought if it fails to pass this milestone

Elaboration Phase

Description: The Elaboration Phase will analyze the requirements and will develop the architectural prototype. In this phase, the problem domain is thoroughly analyzed so that a concrete and stable architecture of the project can be developed which addresses most of the risks related to the project.
Entrance criteria: The artifacts and optimistic results of the previous phase proving the fidelity of the project to be propitious.
Exit criteria/Milestone: At the end of the Elaboration phase we must have the following:

- Architectural Prototype
- Complete Use-Case Model
- Revised risk assessment plan, software development plan and preliminary user manual.

Iteration: Develop Architectural Prototype

Risks Addressed :

- The risk and issues associated with the architecture are identified.
- Technical risks are addressed.
- Early prototype for the user helps in mitigating some customers' related risks.

*Project may be cancelled or considerably rethought if it fails to pass this milestone

Construction Phase

Description: During the Construction Phase, remaining use cases will be analyzed and designed. This phase is usually broken down into multiple iterations till the final product is built. At each iteration the results of the elaboration phase are being expanded. This leads to the correctness and stability of the software product

Entrance criteria: The artifacts and prototypes of the previous phase.

Exit criteria/Milestone:

- Detailed use case model
- Software Product
- Test cases and results
- Iteration Plan
- User Manual
- Complete set of artifacts: design, code etc.

Iteration: As stated earlier there can be multiple iterations:

- Beta: Use cases are implemented and a Beta version is provided to the users
- Initial Release: The problems with the Beta version are fixed. The remaining use cases are implemented to develop an initial system.
- Full Release: Incorporate enhancements and defects from initial release to develop the full system.

Risks addressed:

- User feedback prior to the release of the software
- Cost is reduced
- Quick release addresses customer satisfaction.

*Transition may be postponed by one release if the project fails to pass this milestone

Transition Phase

Description: After the product is deployed many issues may arise such as marketing, packaging, installing, configuring, supporting the user-community, making corrections, etc.

Entrance criteria: The artifacts from previous phase and fully functional software.

Exit criteria:

- All artifacts

- Software
- Lessons learnt
- Next release planned

Project Schedule:

Phase	No. of Iterations	Start	End
Inception	1	Week 1	Week 1
Elaboration	1	Week 2	Week 2
Construction	3	Week 3	Week 3
Transition	1	Week 4	Week 4

Team

The team comprises of following members:

- Archana Shree
- Jack Suen
- Niranjanaa Ragupathy
- Sanchita Vijayvargiya

In order to accomplish this project, the following roles will be conducted:
Team Leader: The main job of the team leader is to define the scope of the project and keep track of it. The project leader controls the project schedule to make sure the project can be completed with quality on time. He is also responsible to ensure the timely submission of the deliverables to the stakeholders.
Documentation Leader: Responsible for the documentation activity in the whole process.
Developer: Works with the Development leader on coding and debugging activities
Tester: Works with the Test Leader on creating test plans and testing the product.
System Designer: Responsible for creating the system design.

The following table shows the mapping between the roles and each team member.

Role	Jack Suen	Archana Shree	Sanchita Vijayvargiya	Niranjanaa Ragupathy
Team Leader	**X**			
Development Leader		**X**		
Test Leader				**X**

Documentation Leader			**X**	
Developer		**X**	**X**	**X**
Tester	**X**			**X**
System Designer	**X**		**X**	

Estimates

Effort hours: 60
Lines of code: 2500
Defects: 80