

3002ICT/7701ICT - Industry Project

Group 1 - The Wildcats

Example Event Managing

Website

Project Plan

*Project Manager:*

John Smith

*Team Members:*

Daniel Smith

Jane Smith

Jayden Smith

*Supervisor:*

Peter Darcy

Date Submitted: ????, 2014

Due Date: ????, 2014

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1 Project Organisation

General introduction describing the topics covered in the Project Organisation.

1.1 Organisation Structure

Students should Identify what roles they are undertaking (Project Manager, Tester, Programmer, etc.) - this should include an organisation hierarchy diagram. An example reference to Figure 1 and Table 1.



Figure 1: Example image caption.

|  |  |
| --- | --- |
| Example0 | |
| Example1 | Example2 |
| Example3 |
| Example4 | Example5 |

Table 1: Example table caption.

1.2 Organisational Boundaries and Interfaces

All boundaries need to be stated here, for example, Peter as the supervisor, the client, etc. Additionally, a high level description of the interface between people should be discussed here a diagram illustrating the interaction method would be good.

Figure 2: Example Inline Image

1.3 Project Responsibilities

All responsibilities of the project team need to be listed here. It should be a very high level discussion of the roles the team needs to fulfil but not related directly to the project undertaken (i.e. a discussion of the management of the team, but not a discussion of the Functional Requirements).

2 Project Scope

General introduction describing the topics covered in the Project Scope.

2.1 Project Justification

The project will need to be justi\_ed in this subsection in particular, the benefits of the system onto the client.

2.2 Software Life Cycle Model

Students should decide on which SDLC (i.e. Agile, Iterative, Spiral) and explain why it was chosen. An example citation to a book or article related to the passage of text [Schwalbe, 2011].

2.3 Scope Statement

A high level discussion about everything the system will need to do, and what it won't do.

2.4 Scope Verification

A list of all members (team leader, client, supervisor, etc.) that will take part in extending and verifying the modified scope will need to be listed here and what processes they are responsible for. An example of an unordered list in Latex:

* Item 1
* Item 2

2.5 Scope Control

A high level discussion of how the team will manage the change of the scope will need to be discussed here. In particular, it would be nice to have a change management document.

2.6 Project Requirements

A general high-level discussion of the requirement of the system including who will use the system, what it needs to do, when/where it needs to be applied and how it needs to be done.

3 System Design and Overview

General introduction describing the topics covered in the Systems Design and Overview section.

3.1 Application Overview

A high level description of the Application itself - it would be nice to follow the Who, What, Where and When (How as well).

3.2 Assumptions, Dependencies and Constraints

All assumptions, dependencies and constraints need to be listed here. As a minimum, there should be at least 4 unique and well justified points each (unless there is a good reason as to not have them).

3.3 Monitoring and Controlling Mechanism

A high level discussion of how the team will monitor and control the development of the software.

3.4 Software Requirement Specification

The Software Requirements Specification (SRS) contains all Functional, Non-Functional, Performance, Logical Structure and Other Requirements.

3.5 System Architecture

A high level description of how the software architecture is set up, it would be nice to include a diagram (ERD, DFD, Use Case Diagram, Sequence Diagram, Class Diagram) showing the inputs, processes and outputs of the system. Additionally, a description should be given for the speci\_c project (for example, if the project utilises a Database, a Database Description/Dictionary should be given whereas if the system is written as a standalone Java program only, an Object-Oriented Design description should be given).

3.6 Integrated System Structure

A high level description of the structure of the system in place, this would be at a higher level than the software discussed previously and focus on how the system will be integrated into the external systems that will use it (i.e. website management, on a mainframe, etc.).

4 User Interface Design

General introduction describing the topics covered in the User Interface Design section.

4.1 Component Hierarchy Chart

A high level description of the interfaces that the user will interact with to use the software. Can be something very broad such as DVD menu for videos, etc.

4.2 Design Prototypes

A set of sample screenshots of unique interfaces (i.e. if two are very similar, they do not have to be doubled up but have to have a discussion of the differences) at least 4. It would be nice to have colour and discussion about the fonts as well for HD (i.e. black and white printing will not get full marks). Points of consideration include screen images, objects and actions, web page designs, colours and fonts used, etc.

5 Project Management Planning

General introduction describing the topics covered in the Project Management Planning section.

5.1 Staff Scheduling

A decent Gantt and Pert Chart, must have decent named breakdowns (i.e. calling each breakdown a week will not be sufficient). The Critical Path must follow the standard rules (i.e. the shortest time to have all tasks completed) and represented in red in the PERT Chart.

5.2 Work Breakdown Structure

The WBS should be in table format with indenting (can be tree form, but may lose details) and it would be sufficient to have 3 levels of breakdown (i.e. 1.1.1) each breakdown has to have decent names.

5.3 Risk Management

The risk assessment should at the very least have identified risks (at minimum 5, more would be preferable unless it is a unique assignment) and must have a list of IDs, names, priority, who is responsible, etc. It would be good to also have a risk matrix discussing the priority and impact.

5.4 Staff Responsibilities

This is a discussion of what each staff member will be responsible for and how they will achieve the task. In particular, it will also discuss the communication management of the team. It must also contain a list or high level discussion of the main responsibilities the team are responsible for which relate primarily to the Human Resources Management.

5.5 Resource Requirements and Allocations

This is a list and description of resources (human, hardware, software, etc.) that are needed to complete the project.

6 Technical Processes

General introduction describing the topics covered in the Technical Processes section.

6.1 Methods, Tools and Techniques

This is a description of all the methods (for example, planning), tools (for example, the various software) and techniques (for example, change control approaches) that are needed for the project. Can vary greatly between projects.

6.2 Work Product Documentation

This is a description of all documentation handed over to the client and users. This also includes legal documents such as the charter and signed forms.

6.3 Project Support Functions

A high level discussion of how the team will manage the quality, verification/validation

and configuration of the project.

7 Cost Analysis

General introduction describing the topics covered in the Cost Analysis.

7.1 Cost Estimation

An estimation of the cost involved with the project, this needs to seem somewhat realistic and should related to the broken down tasks.

7.2 Cost Control

This should be a high level discussion of how the team will ensure that the cost will not go over budget for example, over estimation, or something similar. Just stating that the project will follow the WBS and cost allocation in not sufficient for full marks.

8 Testing Plan

General introduction describing the topics covered in the Testing Plan.

8.1 Test Plan Objectives

A list of objectives the testing plan will cover need to be listed here at least 6 that relate directly to the project.

8.2 Testing Strategies

The various types of strategies for testing need to be discussed here (for example, black-box/white-box testing) - and a high level discussion of who and what tests will be performed. A discussion of how automated testing and test driven development will be implemented should be discussed here.

8.3 Test Cases

At the very least, System tests, Performance tests, Security tests and Acceptance tests need to be discussed here, it would be nice to have other testing (i.e. integration, unit, user interface). Detailed test cases would be preferable. These test cases do not have to be complete (i.e. the actual result does not have to be listed), but at the very least the planned cases with the desired output should be present.

8.4 Test Schedule

At least a timetable of when the testing will occur and who is responsible for it, however more details (such as the type of testing, etc.) would be good.

Testing Template - Please note that the template below is for a pass level worth of testing, obviously there are additional fields that could be used, but these columns should be present within your testing report.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Testing Results** | | | | | |
| **ID** | **Description** | **Date** | **Tester** | **Expected Result** | **Actual Result** |
| T01 | Description of the test I will perform. | 9-5-2014 | Peter Darcy | The test runs smoothly. | The test ran smoothly. |
| T02 | Another longer description that will go for more than one line and hopefully illustrate the use of the ‘p’ justification in latex (as opposed to left l, right r and centre c) in the tabular argument on line above – this may have to be added to other columns such as the Expected Results and Actual Results. Please note that p will only be left justified. | 9-5-2014 | Peter Darcy | The test runs smoothly. | The test ran smoothly. |

Example text on a new page with the portrait orientation. Please note that if you need to have a multi-rows in the table, this is also possible, but it requires the multirow package to be installed and imported at the top of the document with everything else.

References

[Schwalbe, 2011] K. Schwalbe, *Information Technology Project Management* *6th*

*Ed.*, Thomson Course Technology, 2011.