Tampere University Unit of Computing Sciences

TIE-13106 Software Engineering Project (Hervanta campus)

TIE-13106 Software Engineering Project (Pori campus)

TIEA4 Project Work (City centre campus)

TIETS19 Software Project Management Practice (City centre campus)

Group name/number

Project name

Test Plan

Note: All texts in this document that are coloured blue are instructive and should be replaced with actual text by you. They just tell what should be included in each section.

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Version history

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| --- | --- | --- | --- |
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| 0.1 | 17.09.2013 | Peter Projectmanager | First draft |
| 0.2 | 20.09.2013 | Peter Projectmanager | Comments included |
| 0.3 | 09.11.2017 | Peter Projectmanager | Separte plan created for testing |
| 0.4 | 07.10.2019 | John A. Doe  | cosmetic TUNI changes  |
| 0.5 | 05.10.2020  | John A. Doe | 1.x - 3.x sections modified  |
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# Introduction

## Purpose and scope of document

Purpose of this document, what testing it covers (unit, integration, system, acceptance, etc.).

The purpose of Test Documentation is to make clear what have been tested, when, and by who. Group itself also knows what and how to test.

## Product and environment

Product name and the environment in general.

##  Project constraints related to testing

Such as technology constraints, standards

Practices, tools set by the customer

Confidentiality

(Kyber)security

Licensing issues

User testing.

##  Definitions, abbreviations and acronyms

Exploratory testing no test cases but story to follow

Scrum agile software development framework

UI user interface.

# Quality Assurance Process

## Manual Quality Assurance Process

E.g. reviews/inspections, and/or version control pull/merge requests.

Who, when.

Is customer involved ?

## Automated Quality Assurance Process

What happens when you commit your code ?

As example, commit the code, execute unit tests.

Any static code analysers in use ?

# Testing process

Do you have some kind of coding conventions (code style guide) or quality guidelines.

## General approach

Describe your general strategy for testing: how will testing be done at various levels (unit, integration, system, acceptance).

Are there customer acceptance tests ?

Will there be analytic assessments (such as usability assessment) ?

##  Definition of done and goals

Describe when a feature or other is “done” ? Is there some testing or other type of validation or acceptance a requirement for that ?

Test and quality assurance goals ?

##  Testing roles

List the roles of personnel related to testing. Remember other parties as well (e.g. customer, end-users).

E.g. test manager, front-end and back-end test group, if exists.

## Test schedule

Describe here your project’s testing schedule. Schedule here means starting, execution time and ending of every part of product quality assurance (e.g. last possible date to start system testing).

Time estimated and reserved for bug fixing and re-testing.

##  Test documentation

Describe the planned ways to document tests – any additional plans, test specifications (including test cases), test logs / diaries and test reports.

# Test cases

Describe in the following sections 4.x all testing practises you plan to use.

## Unit testing

## Integration testing

## System testing

Actual end-users involved in system testing ?

Exploratory testing ?

## Special testing

Describe any special testing tasks that require planning. Those include e.g. usability testing, security testing, browser / hardware compatibility testing.

## Acceptance testing

Usually done by customer.

## Xyz (of your choice..)

Add more sections (4.x) if needed.

# Adopted Tools

Describe your test and quality assurance tools, e.g. CI/CD pipeline, static code analysers.

How tools are configured ? Have you configured SQ Quality gates, which tests are automatically executed ?

What statistics will be logged and observed ?

(At Test Report we will see the numbers of test cases; passed, failed, ignored/removed,…)

# Open issues

Are there things that still need to be checked, e.g. with the customer ?

# APPENDIX A […Z]

Include appendices if needed.

E.g. test log and test diary template pages,...