

Group 1

Web-based Proposal Tracking System

Software Test Plan

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1. Test Items

These are the following items that the proponents want to test within the scope of the plan:

- The efficiency and effectiveness of using the system within the organization – how well the system helps in achieving the goals of the organization and how it affects the business process
- Security of the information encoded in the system – the information given should be accessible only to authorized persons
- Usability of the system – the user should feel comfortable in using the system
- Backup and recovery – if the server is not available, the system should have a backup server
- Accessibility of the system – the system should be accessible anytime, anywhere

2. Features to be tested

	Description	Level of Risk
The efficiency and effectiveness of using the system within the organization.	The system must be able to speed up the process with the minimal effort and with a faster pace.	H
Security of the information encoded in the system.	The system must not be able to accommodate aspiring users with no proper combination of username and password.	H

Usability of the system	The system must be able to provide the user a friendly environment that would be easy to adapt to.	M
Backup and recovery	The system must be able to provide the user with the documents after unpredicted interruption of services.	H
Accessibility of the system	The system must be available at all times provided that the user has a device that has a web browser and internet connection.	M

Level of Risk	Description
H - High	A high ranking would mean that the item being tested is contributing a lot for the system. A failure in this area would mean a failure with the capabilities of the whole

	system.
M – Medium	A medium rank means that the area being test is only relevant but does not affect the whole system. It may only be a feature that is expected but no required.
L – Low	The low rank means that the function is only added to the main system. The system may still function without the system. It may not be expected at all.

3. Features Not to be Tested

These are the following items that the proponents are not planning test:

- Whether the system provided a uniform approach with the proposal of organizations
- Whether the statistical reports are monitored by the user
- Whether the system provided a platform to monitor outside happenings

4. Test Deliverables

- Installation Test
- Usability Test
- Test Plan Documentation
- Defect Report

- Test Cases
- Test Execution Reports
- Prototype Test

	Test Manager	Project Manager	Dev team	Test Team	Client
Acceptance and Document Reviews	X	X			X
Software Design Reviews	X	X	X	X	X
Data Design Reviews	X	X	X	X	X
Backup and Recovery test			X	X	
Accessibility Test				X	X
Security Test				X	
Prototype Reviews	X	X	X	X	X
Usability test			X	X	X

5. Remaining Test Tasks

Task	Assigned to	Status
Installation test plan	Dev	
usability test	client , dev	
Test plan documentation	client, Dev, Project Manager	
Defect report	Project Manager, client	

Test cases	dev, Client	
test execution report	dev, Project Manager, client	
verify prototype test	dev, client	

6. Responsibilities

The project manager is responsible for the reviews of documents, plans and other system designs.

The development team is responsible for the reviews and progress the team has made.

Test team is responsible for the entire said test and reviews to ensure that the software is working.

The whole team is also responsible for the reviews of the system. The Client is responsible for accepting the documents and reviews the system, also the usability of the system.

7. Schedule

The whole progress of the project is said in the timeline and the plans, testing and designing are part of it as well. The specific date of the said project is indicated on the timeline and also the estimation of the dates is indicated on the later documentation.

The members assigned on this project are indicated on the responsibilities part of the later documents. With the coordination of the client, development leaders, test leaders and members handled by the project manager in creating the said tasks.

A. Review of documentation by the project managers, team members and the client

- B. Review of system design by the whole members and the client. This will provide the client for further understanding of the system.
- C. Review of Data Design by the whole members and the client. This will help the client in further understanding of how the process work.
- D. Backup and recovery test by the development team and test team
- E. Accessibility test and Security test by the test team to ensure and provide the client of understanding of how to access and the security of the documents
- F. Prototype reviews by the whole team are tested and review for the client to see the whole procedure of the system
- G. Usability Test by the development team and test team to make sure the client knows how to usage of the system

8. Planning Risks and Contingencies

Risks during development

- Sudden change in the agreed schedule

If there has been a sudden change in the schedule, all of the activities will be delayed. The proponents should catch up with the missed deadlines in order not to delay the development process.

- Insufficient funds

Money is an important thing during the development of the system. If the proponents do not have the funds to develop the system, it could delay everything. If in any case there has been a lack of funds, the proponents can

loan from a bank.

- Unexpected employee resignation or substitution

The proponents have are coordinating with a company representative during the development of the system. If that certain employee has filed a resignation or suddenly was terminated, it would greatly affect the group since the proponents are largely dependent on the information coming from the company representative. If in any case that happened, the proponents can look for another company representative that also knows the process of processing the project proposals.

Risks after deployment

- Improper use of the system

If the user of the system does not fully understand how to use it, it can lead to error in the outputs and the reports provided by the system. To prevent this, the proponents should conduct tutorials and give out user manuals.

- Downtime

Since the system will be deployed online, it will be using a web host. All of the information will be stored in the remote database. In case of a server downtime, the proponents should access their backup database that will be prepared beforehand so as not to delay the business process of the organization.

- Bugs

Bugs are inevitable. Bugs are loopholes in the system that can cause it to function improperly. The proponents should update the web application as soon as the bug has been identified.

- Security Breaches

The system would include security features such as CAPTCHA to ensure that only the intended users can enter the system.

- Loss or corruption of data

A recovery file will be provided by the system. The file will contain the details recently entered by the proponents. Thus, retrieving the most recent file created.

- Technological Risks

Since the system is web-based, if the hardware has malfunctioned, it can be accessed using any other device that has an internet connection.