

Bank Management Application

STLC process

This document contains the Bank Management Application tests execution steps along with screenshots made during the entire process.

Software Testing Life Cycle (STLC)

Phases:

- 1) Requirements analysis - understanding the requirements based on the documentation
- 2) Test planning
 - **WHAT** to test
 - **HOW** to test
 - **WHEN** to test

Prerequisites:

- Project Plan
- Functional Requirements Specification document (**FRS**)

Activities:

- Identify the resources
- Team formation
- Test Estimation
- Preparation of Test Plan

- Reviews of Test Plan
- Test Plan sign-off

Outcome: Test Plan document

3) Test Designing / Development

Prerequisites:

- Project Plan
- Functional Requirements document
- Test Plan
- Design documents
- Use cases

Activities:

- Preparation of Test Scenarios
- Preparation of Test Cases
- Reviews on Test Cases
- Requirements Traceability Matrix (**RTM**)
- Test Cases sign-off

Out come: Test Cases document, RTM

4) Environment setup

- software setup
- hardware setup
- human resources allocation and organization

Demo account setup

Creating an account on “ http://demo.guru99.com/Agile_Project/Agi_V2/index.php ” for accessing the demo trial of the application.

The platform providing the necessary account credentials, which are also used in functional testing process.

Credentials:

Username: 1303

Password: Guru99

5) Test Execution

Prerequisites:

- FRS document
- Test plan
- Test cases
- Built from Development Team

Activities:

- Executing Test cases
- Preparation of Test report / Test log
- Identifying defects

Outcome: Status / Test reports

Mentions:

- The application was tested using both **Waterfall** and **Agile** strategies.
- The following tests procedures were done: Sanity Testing, Smoke Testing, Progression Testing, Functionality Testing. The Re-testing and Regression testing procedures were not done because the development team was not available to be part of this demo project.
- For **Agile Testing** approach I used **Jira tool** along with **Zephyr (Zephyr Squad)** plugin for implementing the Test Cases.
- The Agile Testing Process followed all the required **steps** such as: creating User Stories, attach them to the right Epics and Sprints, creating Test Cases according to the US using Zephyr plugin functionalities, attach Test Cases to Test Cycles, starting Sprints, executing Test Cases, detect Defects, closing Test Cycles and Sprints, report founded bugs to the development team, fix them in the next version of the application (and more operations that were not specified here).
- During this process, the customer has received constant feedback.

The project structure and organization can be consulted accesing the link attached down below!

<https://agiletestingstrategy.atlassian.net/secure/RapidBoard.jspa?rapidView=2&projectKey=GA>

