**Software Engineering Semester 3**

**Test plan**

**Online Yearbook**

June 2021

Spartex

|  |
| --- |
| **Date:16/04/2021** |
| **Version:1.0** |
| **State: Complete** |
| **Author: Osuntuyi Michael** |

Version history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Author(s)** | **Changes** | **State** |
| 1.0 | 15/04/2021 | Osuntuyi Michael | Document was made | Complete |
|  |  |  |  |  |
|  |  |  |  |  |

Table of Contents

[Introduction 3](#_Toc75123799)

[End to End Test 3](#_Toc75123800)

[Backend Test 3](#_Toc75123801)

[Integration Test 3](#_Toc75123802)

[Test Cases 3](#_Toc75123803)

[Abbreviations 3](#_Toc75123804)

# Introduction

This document formally describes the test plan for all functionality currently implemented for my online yearbook project Sioux This is a systematic approach to testing the system. The plan typically contains a detailed understanding of what the eventual workflow will be and contains detailed testing information regarding the testing phase and test strategies.

# End to End Test

This testing is done with the help of a third-party library namely cypress, End to end testing has enabled me to mimic an external/end user experience.

For this test to be done all application resources are needed to be ran.

Backend Test  
This test is done to ensure all functions/methods of a class work as intended, this has enabled me spot bugs quicker. The back-end tests include testing the service classes, model classes, Data access layer classes (with stub) and tests using Mockito.

# Integration Test

This test is done/achieved by the connection of multiple parts in my application, this test will be mainly found in test regarding the service classes

# Test Cases

The test cases will give an example/procedure of how the Online yearbook will be tested using the test data.

More test cases will be shown during the final demo.

## Abbreviations

* TC: Test case

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Pre-condition** | **Test data** | **Expected result** |
| **TC-01** | Logging into the website with proper credential and without single sign on | The user does not already have a session  The user has the provided database intializer file uploaded to their desired database host (e.g localhost phpmyadmin)    Database name: onlineyearbookdb | Email: mikeltuyi@gmail.  com  Password: Mikoko@02 | The user is logged into the website and can now see navbar which leads to other pages in the web application hat he/she has access to |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Pre-condition** | **Test data** | **Expected result** |
| **TC-02** | Logging into the website with wrong credential and without single sign on | The user does not already have a session  The user has the provided database intializer file uploaded to their desired database host (e.g localhost phpmyadmin)    Database name: onlineyearbookdb | Email:  [John123@gmail.com](mailto:John123@gmail.com)  Password:  test | The user will be given an error message telling the user “Wrong credentials have been inputted” and the user will remain in the log in page |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Pre-condition** | **Test data** | **Expected result** |
| **TC-03** | Logging into the website as a guest | The user does not already have a session    The user has clicked on the viewer login button  The user is a guest. | **None** | The user will be redirected to the webapplication and can now see the navbar leading to other pages |
| **TC-04** | Adding a new graduating year | The user is logged in and has navigated to the Graduating year management page    and the user has filled in all fields | Graduatingyear:2021 | The graduating year has been added |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Pre-condition** | **Test data** | **Expected result** |
| **TC-05** | Adding a graduating year that already exists | The user is logged in and has navigated to the Graduating year management page, the user previously added graduating year 2021and the user has filled in all fields | Graduatingyear:2021 | An error message comes up telling the admin this user already exists |
| **TC-06** | Viewing all signed up user info | The admin is logged in and has navigated to the viewing all user’s page | None | The system should show a quick loading text to signify the data is being retrieved    when the data is retrieved all signed up users, info are displayed in a table |