

System /User Acceptance Test Plan for Cohort Management Portal

Version 1.0

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Template provided by:  
  
**** **How Software Gets Done**

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# Test Plan

The following information is a summary of the test plan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Plan Number:** | 1 | **System Under Test:** | | Cohort Management Portal |
| **System Function:** | Test according to use case | | **Rev #:** |  |
| **Prepared by:** | Lam Huey Hing (Janelle), Shrin, Cindy, Anne | | **Date:** | 30/1/2021 |
| **Approved by:** |  | | **Date:** |  |
| **Testing Cycle:** | Requirement Analysis, Test Planning, Test Case Development, Test Environment Setup, Test Execution, Test Closure. | | | |
| **Type of Test Plan:** | System Test Plan | | | |

## Purpose

This test plan has been devised to test the functionality of the product/version listed above. The plan summary describes the general information about the testing to be conducted. The actual test cases are defined in the *Test Case Matrix* attached to this document below.

The following types of tests will be performed:

* User Register
* User Login
* User Registration List
* Maintain User Account
* Add Users in User List
* Delete Users in User List
* View Program Schedule
* Update Program Schedule
* Search Event
* Add Events
* Delete Events
* Change Status Type (Registered/ Attend/ No Show)
* View Attendance List
* Add Attendance
* Edit Attendance
* Delete Attendance
* User Submit Feedback Form
* Feedback List
* Display File Lists
* Display File Lists (Under Event details ‘Resources’)
* Upload File
* Download File (for Startup and Alumni)
* Edit File
* Delete File
* Display Reminder List
* Send Reminders
* Add Reminders
* Delete Reminders

For a list of the specific tests, see the attached *Test Case Matrix*.

## System Test Environment(s)

The system is scheduled for deployment into the following environments:

* Visual Studio 2019
* Web Server – IIS
* OS- Windows
* Browser- Google Chrome

This *Test Plan* and the associated *Test Case Matrix* are designed to test the system's ability to function in each of the listed environments. These tests also ensure that the new system operates properly without hindering the operation of any existing systems.

## Data Requirements

The system testers have the following data requirements that must be met in order to adequately test the system:

* Database- Feedback, Attendance, ReminderDB, File Upload, Users, Events

|  |  |
| --- | --- |
| **Database Table** | **Data** |
| Feedback | User\_Name, User\_EmailAddress, Event\_Attended, Event\_effectiveness, interest, Event\_Takeaway, Event\_Improvement, Additional\_Comment |
| Attendance | Attendance\_ID, Status\_Type, User\_ID, Event\_ID |
| ReminderDB | Reminder\_ID, Attendance\_ID |
| File Upload | FileId, Picture, Eventid |
| Users | User\_ID, User\_Pw, User\_Type,User\_FirstName, User\_LastName,  User\_Gender, User\_Date\_of\_Birth, User\_EmailAddress,  User\_ContactNumber |
| Events | Eventid, Eventname, Eventdescription, Eventdate, Eventstarttime, Eventendtime, Eventvenue |

## Data Values and Combinations

The testers need certain data values and combinations included within the data to adequately test the system.

**Note:** Some of the data combinations needed may be invalid data combinations included to test how the system reacts to corrupt or invalid data.

See the Test Case Overview and Test Case Matrix for details.

## Entrance Criteria

The following conditions are to be met before testing begins. The system test will not occur until these criteria are met:

* Working Computer - we have to ensure that the computer that we are testing on is in good condition such that there will be no disruption such as computer technical issues while testing
* Ability to run on Visual Studio - we have to ensure that the software can run the test.
* Code is complete - we have to ensure that before testing, our code is complete such that we don’t miss out any data or function that needs to be displayed.
* Functions can perform properly - we have to ensure that for every function we have coded it out, it aligns with the user requirements before running the test
* System can do Authorization to ensure system security. - we have to ensure that the functions are accessed to admin and users (startup and alumni) separately.

## Exit Criteria

The following conditions are to be met before the system can exit this test cycle and be ready for the next test cycle or for general release. These exit criteria are listed below:

* Verify that all tests planned have been run.
* Verify if the level of requirements have been met.
* Verify that there are no critical errors when testing.

## Validation Method

Once the validation has occurred, each test defined in the *Test Case Matrix* is marked as *Pass* or *Fail*.

* Data Type Validation
* Date Time and Email Validation
* Missing data validation

## Tracking Method

Use a tracking matrix (or other means defined here) to uniquely identify and track any test case that has failed due to bugs or other issues. Bugs or issues uncovered during testing must be tracked using the method described in the following paragraph:

We will debug everything in the Visual Studio. When an error occurs, we will usually look at the error tab for the errors and debug it accordingly. Another way is that if the code is able to run, but the output has not met our expectations, we will look at the output tab and see how the system runs and debug accordingly. Also, when there is a red line error, we can right click for other options to remove the error.

## Overview of Test Cases

Provide a high level outline of test cases.

* **Users**
* **Test case 1: User Register**
* Tests to see if the system can be able to display the register page.
* **Test case 2: User Login**
* Tests to see if the system can be able to display the Login page.
* **Test case 3 : User List**
* Tests to see if the system can be able to display the Users list, at the admin home page of CMP.
* **Test case 4 : Maintain User Account**
* Test to see if the Admin can be able to edit the User’s account upon clicking the pencil icon(edit) at the Users List page.
* **Test case 5 : Add Users in User List**
* Tests to see if the system can display the Add user page inside the admin home page of CMP.
* **Test case 6: Delete User in User List**
* Test to see if the Admin can be able to delete a user from the users list page inside the Admin home page of CMP.
* **Events**
* **Test case 1 : View Program Schedule**
* Tests to see if the system can fetch the data from the database and display it into a list of events and display each of the events individually.
* **Test case 2 : Search Event**
* Tests to see if the system can display the event searched by the users.
* **Test case 3 : Add Events**
* Tests to see if the system can upload an event into the database and display it in the list of events.
* **Test case 4 : Update Program Schedule**
* Tests to see if the system can update an event in the database and display it in the list of events.
* **Test case 5 : Delete Events**
* Tests to see if the system can remove an event from the database.
* **Attendance**
* **Test case 1: View Attendance List**
* Test to see if the system can fetch the data from the Attendance database and display the information into a list.
* **Test case 2 : Add Attendance**
* Test to see if the system can upload a user’s attendance into the database and display it in the Attendance List.
* **Test case 3 : Edit Attendance**
* Test to see if the system can edit a current user’s attendance in the database and display it in the Attendance List.
* **Test case 4 : Delete Attendance**
* Test to see if the system can remove an attendance from the database.
* **Test case 5: Change Status Type (Registered/ Attend/ No Show)**
* Test to see if the system can edit a user’s attendance in the database when the user clicks on the different button (Registered/ Attend), and display it in the Attendance List.
* **Feedback**
* **Test case 1: User Submit Feedback**
* Test to see if the system is able to load the information provided by the user into the Feedback database.
* **Test case 2 : Feedback List**
* Test to see if the system can fetch the data from the Feedback database and display the information into a list.
* **Event Materials**
* **Test case 1: Display File Lists**
* Tests to see if the system can fetch the data from the database and display it into a list.
* **Test case 2 : Display File Lists**
* (Under Event details ‘Resources’) - Tests to see if the system can display the file lists according to the event selected from ‘Event details’
* **Test case 3 : Upload File**
* Tests to see if the system can add a new file into the system after the admin uploads one.
* **Test case 4 : Download File** **(for Startup and Alumni)**
* Tests to see if the user (startup and alumni) can download files from the file list
* **Test case 5 : Edit File**
* Admin changes a file for a particular event
* **Test case 6 : Delete File**
* Admin deletes the selected file and the system also removes it from the FileUpload database
* **Reminder**
* **Test case 1: Display Reminder Lists**
* Tests to see if system can display a list of reminders
* **Test case 2 : Send Reminders**
* Tests to see if the system can send emails to the Event Attendees. Attendees should be able to view the message from the Cohort Management Portal in the Outlook Email
* **Test case 3 : Add Reminders**
* Tests to see if a system can add in another reminder. The admin selects another attendee ID and it will display in the Reminder List.
* **Test case 4 : Delete Reminders**
* Tests to see if system can remove the selected Reminder ID from the Reminder List

## Test Case Matrix

The file attached below is the *Test Case Matrix* describing the details of each test conducted by the testers. The matrix contains the following information about each test case:

|  |  |
| --- | --- |
| * Scheduled test date | * Verification (Pass/Fail) |
| * Unique ID number | * Test completion date |
| * Objective | * Tester's initials |
| * Process to follow | * Comments |
| * Expected results | * Defect Tracking Number |



Tracking Matrix

Attach a tracking spreadsheet here or give a reference to the method you use to track bugs and issues throughout the testing process.

Test Plan Change Control

This describes the changes made to the test plan during various revisions.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Rev** | **By** | **Description** | **Comments** |
| 31/1/2021 | HomePage | Shrin | Missing Headings in the Home page. For the Event Materials heading, there should be 3 dropdowns instead of 2. | ‘Download File’ was missing from the dropdowns. |
| 31/1/2021 | Home Page | Shrin | Removal of ‘Account’ Tab in both Home Page and Navigation Bar. | We did not manage to display the form separately from Users and Admin Page. |
| 31/1/2021 | Edit Files | Anne | Files cannot be used to update the file list. | An alternate way is to change the file’s designated Event. |