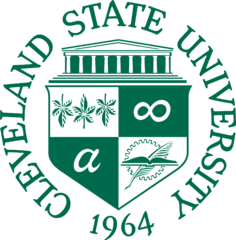
**“Lets Catch Up” – An event organizing and planing website for Cleveland State University**



***TEST SPECIFICATION***

**By**

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**1.0 Introduction**

This section provides an overview of the entire test document. This document describes both the test plan and the test procedure.

**1.1 Goals and objectives**

This test plan enables the software to be tested on certain specific factors which ensures that the software runs without any errors while it is deployed on the production environment.

The testing factors include the Use Case testing, API integration testing, Compatibility testing and Database testing.

**1.2 Statement of scope**

A description of the scope of software testing is developed. Functionality/features/behavior to be tested is noted. In addition any functionality/features/behavior that is not to be tested is also noted.

The testing factors include the Functionality Tests, API integration testing, Compatibility testing and Database testing.

**2.0 Test Plan**

This section describes the overall testing strategy, and the project management issues that are required to properly execute effective tests.

**2.1 Software to be tested**:

1. **Functionality Testing:**
2. Email verification at time of Sign-Up.
3. User ID and Password verification at time of Sign-In.
4. Forms testing, Input fields and proper validation of fields.
5. Button click events at every page to check for proper Anchor links.
6. Testing to ensure the proper Business Workflow is being followed for the events.
7. HTML and CSS testing for proper orientation of the page at every level.
8. Download of attendance sheet for individual events.
9. **Usability Testing:**
10. Menus, buttons and links for navigation to other pages to be tested across all the webpages.
11. Images with proper “ALT” text and no spelling mistakes.
12. **API integration testing:**

Three areas to be tested here are – Application, Web and Database Server.

1. **Application:** Test requests are sent correctly to the Database and output at the client side is displayed correctly. Errors if any must be caught by the application and must be only shown to the administrator and not the end user.
2. **Web Server**: Test Web server is handling all application requests without any service denial.
3. **Database Server:**Make sure queries sent to the database give expected results.

**Test system response** when **connection between the three layers**(Application, Web and Database) **cannot be established** and appropriate message is shown to the end user.

1. **Compatibity Testing:**

1. **Browser Compatibility Test**: Same website in different browsers will display differently. So web application is tested accordingly so that contents being displayed correctly across browsers(Firefox, Edge, Chrome, Safari etc.), JavaScript, AJAX and authentication is working fine.

2. **Operating System** **Compatibility Test**: The rendering of web elements like buttons, text fields etc. changes with change in **Operating System**. This makes sure that every element works fine for various combination of Operating systems such as Windows, Linux and Mac.

**2.3 Testing tools and environment:**

The testing will be done manually verifying all the user requirements are working properly as per expectation.

API and Integration testing will be done using Postman.

**2.4 Test schedule**

A detailed schedule for testing is described.

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **TASK NAME** | **DURATION** | **PLANNED DATE** |
| 1 | FUNCTIONALITY TESTS | 5 DAYS | 11-19-22 TO 11-23-22 |
| 2 | USABILITY TESTING | 2 DAYS | 11-24-22 TO 11-25-22 |
| 3 | API INTEGRATATION TESTING | 3 DAYS | 11-26-22 TO 11-28-22 |
| 4 | COMPATIBILIY TESTING | 2 DAYS | 11-29-22 TO 11-30-22 |

**3.0 Test Cases**

This section enumerates a complete list of test cases for the software. A template for test cases is as follows.

|  |  |  |  |
| --- | --- | --- | --- |
| **ID** | **TEST INPUT** | **EXPECTED OUTPUT** | **DESCRIPTION** |
| 1 | SIGN UP | PROFILE CREATED SUCCESSFULLY | ALLOWS FIRST TIME USERS TO SIGN UP TO USE THE APPLICATION |
| 2 | SIGN IN | LOGS IN TO THE APPLICATION | ALLOWS USER TO ACESS THE APPLICATION AND USE THE FEATURES |
| 3 | PROFILE PHOTO UPLOAD | UPLOADS A PICTURE FOR PROFILE | ALLOWS USER TO UPLOAD A PROFILE PICTURE FOR HIS/HER ACOUNT |
| 4 | CREATE EVENT | EVENT CREATED ON A DATE | ALLOWS USER TO CREATE AN POST FOR AN EVENT |
| 5 | MODIFY EVENT | EVENT DETAILS UPDATED | ALLOWS USER TO MODIFY THE DETAILS FOR THE EVENT HE/SHE CREATED |
| 6 | JOIN EVENT | REGISTER FOR A SPECIFIC EVENT | ALLOWS USER TO REGISTER FOR AN EVENT |
| 7 | LEAVE EVENT | DE REGISTER FOR A SPECIFIC EVENT | ALLOWS USER TO DE REGISTER HIM/HER FOR THE EVENT |
| 8 | DOWNLOAD ATTENDENCE FOR EVENT | DOWNLOAD CSV FILE ON LOCAL | ALLOWS USER TO DOWNLOAD AND SAVE CSV FILE CONTAINIG THE LIST OF REGISTERED USERS ATTENDING THE EVENT |
| 9 | FOLLOW USER | FOLLOWER/FOLLOWING LIST UPDATED | ALLOWS USER TO FOLLOW AN UN FOLLOW ANY USERS |
| 10 | POST ON ANY EVENT | POSTS SHOWS ON EVENT PAGE | ALLOWS USER TO COMMUNICATE FOR EXTRA DETAILS ABOUT THE EVENT |