**Test Plan**

**Stanford Institute 005**

**Prepared by**

*IKECHUKWU CHUKWUKA*

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**1.0 INTRODUCTION**

**STANFORD INSTITUTE 005** is a web development project for a company which offer trainings on various subjects and advanced programs geared at meeting both individual and organisational needs.

The website is proposed towards attracting candidates and business owners with a need for the service offerings.

The website should be user friendly but at the same time technically advanced enough to meet the needs of their prospective clients and to also help them manage their internal activities.

**2.0 OBJECTIVES AND TASKS**

**2.1 Objectives:**

The objective of the test is to ensure Stanford Institute 005 meets the functional requirements specified in the documentation:

* The test will verify that Registered students (Users) can access learning materials specific to their programme of choice on the website and Application.
* To allow users access all social media platforms directly from the website just by clicking on the on appropriate social media icon.
* That admin should be able to add various events on calendar in the websites.
* That students (Users) can view and delete events on the calendar.
* That Users should be able to create and account on the website and manage their profile.
* User should be able to sign in and sign out with username and password and should be able to change password at their will.
* That Users should be able to get notifications via email, and can view, delete, schedule and or modify all notifications.
* The admin user only to manage FAQs regarding the business process and services offered, edit, and delete data but all users can view the details on this feature.

Overall, the aim is to verify that functionality of the application’s modules listed meets the definition of production ready software by the second sprint’s end.

**2.2 Tasks:**

* Creating Test Documents: Test plans, Test case, Test closure report
* Bug Life Cycle shown in the test closure report.

**3.0 SCOPES**

The team will assess the software’s components such as the Account, Notification, Resources, Event Calendar, Link to social media platforms and FAQs, features. They will also assess the software’s performance, Reliability, and usability.

* **Accounts:** User should be able to set up, create an account and manage the account. Sign in and out with username and password and change password at will.
* **Notification:**All notifications can be received, seen, and managed by Users for upcoming classes, assignments due and reminders, etc.
* **FAQs (Frequently Asked Questions): Admin staffs only should** be able to edit all Frequently asked questions and answers that would help the prospective clients who visit the website/App regarding the business processes and services offered.
* **Event Calendars:**Admin should be able to add various events on calendar that users can view, delete, edit, etc on this feature.
* **Resources:** Every registered User should be able to have access to any learning material specific to their programme of choice on this feature.
* **Link to social media Platforms**: Admin should be able to add social media platforms that Users can access directly just by clicking on the appropriate social media icon (Facebook, Twitter, Instagram, LinkedIn, etc.) on this feature.

**Tactics**

Account username and password module will be tested showing that users are able to log in easily or create an account on the website/app homepage.

Notifications will be received and tested by the user confirming access and management to all notifications.

FAQs will be tested to ensure that ONLY admin staffs can be able to to edit all frequently asked questions and answers that would help the prospective clients who visit the website to ensure services offered, must be well listed out on the FAQ page of the website.

Event Calendar will be added by the admin and tested by the users to ensure that users can manage the events on the calendars.

Resource materials will be tested to ensure that users can have access to specific materials of their choice.

Social media platforms will be tested to ensure that it was added by Admin and can be accessed by Users just by clicking on the various social media icons.

**4.0 TESTING STRATEGY**

**Account**: The unit feature will be tested for Accuracy (result relevance), Button(s) functionality, and Integration to other pages.

**Notification**: The payment feature will be tested for Accuracy (result relevance), Button(s) functionality, Integration to other pages.

**FAQs**: The (Frequently Asked Questions) features will be tested for Accuracy (result relevance), Button(s) functionality, Integration to other pages.

**Event Calendar**: The blog features will be tested for Accuracy (result relevance), Button(s) functionality, Integration to other pages.

**Resources**: The blog features will be tested for Accuracy (result relevance), Button(s) functionality, Integration to other pages.

**Link to social media platforms**: The blog features will be tested for Accuracy (result relevance), Button(s) functionality, Integration to other pages.

**4.1 Unit Testing:**

**Definition:**

Tester will handle unique test unit.

Validation and review of each execution

Test ID would be linked to each unique requirement using TEST\_RQ\_NO

**Participants:**

Ikechukwu Chukwuka

**Methodology:**

QA writes the Test Cases, execute them, and validate the execution in days interval within a sprint and report documented.

**4.2 System and Integration Testing Definition:**

All features will be tested in integration to other functionalities and pages.

**Participants:**

Ikechukwu Chukwuka

**Methodology:**

QA writes the Test Cases, execute them, and validate the execution in days interval within a sprint and report documented.

**4.3 Users Acceptance Testing:**

**Definition:**

The Product owners, Project Manager and the Tester will confirm that the system is ready for operational use by comparing the system to its initial requirements and confirm every acceptance criterion has been met.

**Participants:**

Testers*: Ikechukwu Chukwuka, Julius Adebayo, Stephen Okpalaononuju* (Test Supervisor).

Project Managers: *Abayomi Fisayo Seun, Precious Osawe, Charity Chinyere*.

Business Analyst: *Julius Adebayo*

Program Manager: *Chisom Udeze*

Software Developer: *Olanrewaju Ikolaba, Abosede Owoniyi* (Developer Supervisor)

Stake holders: END USERS.

**Methodology:**

BA & QA prepares a test case in line with business logic requirements, nd ensures all acceptance criteria have been met.

**4.4 Regression Testing:**

**Definition:**

The QA selectively retests the component to verify that modifications have not caused unintended effects and that the system or component still works as specified in the requirements.

**Participants:**

Ikechukwu Chukwuka

**Methodology:**

Stephen retests the system or components, execute them, and validates the execution, and report documented.

**5.0 THE TEST LIFECYCLE**

|  |  |  |
| --- | --- | --- |
| **PHASE** | **PURPOSE** | **OUTPUT** |
| Functional Testing | To identify and remove bugs or errors | Test Report |
| Non-Functional Testing | To evaluate performance, reliability, and usability | Test Report |

**6.0 TEST ENVIRONMENT**

The test environment will be the TICKET HUB 003 project URL provided by the developer.

**7.0 EQUIPMENT**

The team needs to use servers, networks, Computers, or laptops with at least Windows 10, RAM 4 GB, and CPU 3.4 GHZ.

Mobile Phones: Android (Phone/Tablet) or IOS platform (iPhone/iPad).

# **8.0 FEATURES TO BE TESTED**

* Admin staff and senior manager compose, save, delete, and send an e-mail to Individual and group.
* Send and receive instant message.
* Scheduling.
* Dashboard to view employee’s (Performance, Hiring, Documents, payroll, learning and development, Shift, and absence.
* Advert.
* Customer’s portal.

# **9.0 FEATURES NOT TO BE TESTED**

This will be updated at the beginning of Sprint 2

**10.0 REPORTING AND COMMUNICATION**

The Developer is responsible for providing the Test Manager/supervisor with a weekly report on the software testing procedures, explicitly every Wednesday of the week.

And all incidents encountered during the testing process will be documented using MS word and reported accordingly through Basecamp and Azure.

**Roles and Responsibilities:**

**Program Manager:** - Monitoring and Controlling the team throughout the development phase of the project, closing the project.

**PGM:**  Chisom Udeze. **Email**: Chisom@almondcareers.com

**Project Managers:** - Ensures that project is delivered on time within budget.

**PGM1:**Precious Osawe. **Email:**[preciousosawe4jc@gmail.com](mailto:preciousosawe4jc@gmail.com) **Tel:**7761338917

**PGM2:** Abayomi Fisayo Seun. **Email:**[abayomifisayo96@gmail.com](mailto:abayomifisayo96@gmail.com) **Tel:**9017621795

**PGM3:** Charity Chinyere Ilegbedion. **Email:**[charityilegbedion@protonmail.com](mailto:charityilegbedion@protonmail.com)**Tel:**8156924544

**Business Analysts:** Creating detailed business analysis, outlining problems, opportunities, solutions for business   
 

**BA :**  Julius Adebayo .J. **Email:**[talktobayo247@gmail.com](mailto:talktobayo247@gmail.com)**Tel:**8108710690

**Developer:** Olanrewaju Ikolaba. **Email:** [lanre@almondcareers.com](mailto:lanre@almondcareers.com) **Tel:**+2348134588157  
   
**Developer supervisor**: Abosede Awoniyi.**Email:** Abosede@almondcareers.com **Tel:**08075351536   
   
**Software tester:** Creating test documents, executing test, make emphasis to good bug reporting and defect life cycle, delivering of documented reports through communication vehicles.

**Tester:**Ikechukwu Chukwuka.  **Email:**[2cimple@gmail.com](mailto:2cimple@gmail.com)**Tel:**7810424320  
   
**Software tester supervisor:** Stephen O, **Email:** stephen@almondcareers.com, Tel: +2348065467341

**11.0 MAJOR DELIVERABLES**

Identify the deliverable documents. You can list the following documents:

* Test Plan
* Test Cases
* Test Closure Reports

**12.0 DEPENDENCIES**

Project Start Date 1st of May 2022

Launch/Go-Live Date 28th of July 2022 \*

Project End Date 19th of August 2022

Budget constraints

Total budget £75,000.00

Quality or performance constraints

* System must provide 100% uptime
* Database must store all the information efficiently without any information loss.
* The system must support 100 concurrent users and all the operations carried out in the system must respond within 5 seconds.
* All user’s data cannot be sold or distributed to other entities without their previous approval.
* Security testing to be done to check whenever a software/ website is secure or not by checking if is vulnerable to attacks of anyone can access a database or if anyone can login without authorisation.

**13.0 RISK**

Delay in delivery of the test items might require increased team meeting scheduling to meet the delivery date.

**14.0 ASSUMPTIONS**

* Other aspects of the websites are being developed by other teams
* Scope of project will not change during life cycle
* Human and material resources will be made available on request

**15.0** **TOOLS**

* AZURE
* BASECAMP
* MS EXCEL
* MS WORD

# **16.0 ENTRY & EXIT CRITERIA**

# **16.1 Entry Criteria**:

Functional testing can begin when:

* The project’s team has entered all product backlog items on Azure Boards.
* Testers have the necessary Basic Access permissions on Azure Boards.
* The development team has created and given testers access to a testing environment.

# **16.2 Exit Criteria:**

Functional testing will stop when:

* The project management team agrees that the product, as defined in the requirements, will satisfy the customer’s reasonable expectations of quality.
* The test team executes all planned test cases on Azure Test Plans.
* The test team has checked that all bugs on Azure Boards are closed, and, where appropriate, verified by regression testing.

**17.0 APPROVAL**

STEPHEN OKPALAONONUJU