**PROJECT PLAN**

***Indra Prashanth Srinivasalu Jagannadhan (2860024)***

***Uday Shankar Boddupalli (2868122)***

1. ***Introduction:***

**1.1 Project Overview** : The Testing of the Project named “Ecommerce“ is an E-Commerce website to purchase Electronics, Furniture, Books and Fashion, and the main objective is to ensure that it meets the required quality standards. The testing will cover all aspects of the website, including usability, functionality and performance. This software will be installed on the local machine to perform the testing cycle.

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| **Software Name** | Ecommerce |
| **Database:** | MySQL 5.x |
| **Language Used:** | PHP5.6, PHP7.x |
| **User Interface Design** | HTML, AJAX, JQUERY, JAVASCRIPT |
| **Web Browser** | Mozilla, Google Chrome, IE8, OPERA |
| **Software** | XAMPP / Wamp / Mamp/ Lamp |

**1.2** **Scope** : The testing will be conducted on Shopping Portal desktop platform and It will cover the following areas:

* **Navigation and usability**
* **Search functionality**
* **Product pages**
* **Checkout process**
* **Account management**

1. ***Task:***

**2.1** **Testing Approach**: The testing will follow the following approach:

* **Requirements gathering** : Gather the requirements for the testing process, including the testing objectives, scope, and test cases.
* **Test planning** : Develop a detailed test plan, including the test strategy, test schedule, and resources required for testing.
* **Test design** : Develop test cases that will be used to verify the functionality of the website.
* **Test execution** : Execute the test cases and document the results.
* **Defect management** : Document any defects that are found during the testing process and track them to resolution.
* **Reporting** : Generate reports on the testing progress and results.

**2.2** **Test Cases :** The test cases will cover the following areas:

* **Navigation**: Ensure that users can easily navigate the website and find what they are looking for.
* **Search functionality**: Verify that the search function is working correctly and returning accurate results.
* **Product pages**: Ensure that all information on the product pages is accurate and up-to-date.
* **Checkout process**: Verify that the checkout process is working correctly and that orders are being processed correctly.
* **Account management**: Test the account management functions, including login, registration, and account settings.

**2.3 Test Schedule :** The testing process will be broken down into the following phases with the deadlines that the plan has to meet.

* **Requirements gathering: Deadline: 03/22/2023**
* **Test planning Deadline: 03/26/2023**
* **Test design Deadline: 04/09/2023**
* **Test execution Deadline: 04/19/2023**
* **Defect management (Ongoing process)**
* **Reporting: 2 days Deadline: 05/03/2023**

**2.4** **Resources :** The following resources will be required for the testing process:

* **Testing team** : A team of 2 testers with experience in testing web applications.
* **Test environment**: A dedicated test environment that replicates the production environment.
* **Test data**: A set of test data that simulates real-world scenarios.

**2.5** **Deliverables :** The following deliverables will be provided at the end of the testing process:

* Test plan
* Test cases
* Test results
* Defect reports
* Performance reports
* Final report summarizing the testing process and results.

**2.6 Risks and Mitigation Strategies :** The following risks have been identified:

* **Time constraints:** To mitigate this risk, the testing process will be broken down into phases, and a detailed test plan will be developed to ensure that the testing is completed within the allotted time.
* **Unforeseen defects:** To mitigate this risk, the testing team will conduct thorough testing and document any defects that are found.
* **Resource constraints:** To mitigate this risk, the testing team will be provided with the necessary resources, including test tools and test data, to ensure that the testing process is completed successfully.

1. ***Conclusion:***

The testing process will ensure that “ Ecommerce “ meets the required quality standards and provides an excellent user experience for its customers. The testing will be conducted using a structured approach, and the results will be documented and reported to stakeholders