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| **Software Test Automation Virtual Internship Program**    **TEST PLAN IEEE FORMAT:**   * **Test Plan ID:** Unique No. or Id or Name of the test plan * **Introduction:** About the Project and testing * **Test Items:** Names of Modules/ Functions/ Services/ Features * **Features to Be Tested:** Responsible Modules for the Test Design * **Features Not to Be Tested:** Which ones to test and which ones not to test (e.g. Features of previous version of the Software) * **Approach:** List of testing techniques to be applied on the modules (prepared by QA/PM) * **Features Pass/Fail Criteria:** When above features are pass and when they fail * **Suspension Criteria:** Possible abnormal situations arose during testing of above features. Without recovering from these situations, you are not able to conduct testing. (Technical problems with respect to project) * **Test Environment:** Required hardware and software including testing tools to conduct testing * **Test Deliverables:** Required test documents to be prepared during testing (Test Cases, Test Procedures, Test Log, Test Report) * **Test Tasks:** necessary tasks to do before starting of every project testing * **Staff and Training Needs:** The names of test engineers and required training sessions * **Responsibilities:** Work allocation in terms of test engineers Vs Modules * **Schedule:** Dates and Times * **Risks and Mitigations:** Analyze risks and possible solution to overcome them * **Approvals:** Signatures of Test Plan Author and PM/QA | |
| **A Sample Test Plan Document for Amazon Application:**   * **Test Plan Id: AAP\_ST\_TP\_001** * **Introduction:** * The purpose of this project report is to provide a comprehensive overview of the testing activities conducted for an e-commerce website. * The testing activities were carried out to ensure that the website functions as expected, meets the requirements, and delivers a high-quality user experience. The report includes details on the testing objectives, scope, testing approach, test environment, test activities, test results, and recommendations for improvement. * Verify the functionality of the website, including product browsing, product search, shopping cart, checkout process, payment processing, and order confirmation. * **Test Items:** * User Registration * User Login * Product browsing and searching * Shopping cart functionality * Order confirmation * **References:** * Requirements * Project Plan * Test Strategy * Use cases (if available) * High level Design Documents * Low Level Design Documents * Process Guide line document * Prototypes   **5.** **Features to be tested:**   * User Registration: * Verify that users can register with valid details such as name, email, and password. * Verify that users cannot register with invalid or duplicate email addresses. * Verify that mandatory fields are properly validated and error messages are displayed for missing or invalid information. * Verify that users receive confirmation emails after successful registration. * User Login: * Verify that users can login with valid credentials (email and password). * Verify that users cannot login with invalid or incorrect credentials. * Verify that users can reset their password in case they forget it. * Verify that appropriate error messages are displayed for incorrect login attempts. * Product browsing and searching: * Verify that users can search for products based on various criteria such as keywords, categories, brands, etc. * Verify that search results display accurate and relevant products. * Verify that users can filter and sort search results based on different parameters. * Shopping cart functionality * Verify that users can add products to their cart and view the cart contents. * Verify that users can update the quantity or remove products from the cart. * Order confirmation: * Verify that users receive order confirmation emails after successful purchases.   **6. Features not to be tested:** NA    **7. Entry Criteria:**  a) Test Design:  1.Team formation, Responsibilities, schedule, requirements, test case  Templets.  2. Training on domain, on automation tools.    b) Test Execution:  1.Readiness of test tab  2.Readiness of AUT  3.Requirements  4.Test case Documents  5.Test data  6.Defect Report Template Etc.…    **8) Exit Criteria:**  a) All possible test cases executed  b) Maximum defect fixed; final regression performed successfully  c) Confidence on test process  d) Time limitations  e) Budget limitations  **9) Suspension criteria: Nil**   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **S.NO** | | **NAME** | **ROLE** | **RESPONSIBILITIES** | | | **REMARKS** | | | 1 | | Jagjot Singh | Test Lead | Test planning, guidance, Monitoring and test control | | |  | | | 2 | | Jagjot Singh | Sr. Tester | Test data collection, Generating test scenarios | | |  | | | 3 | | Jagjot Singh | Tester | Test case documentation, test execution, defect reporting and tracking for admin module | | |  | | | 4 | | Jagjot Singh | Tester | Test case documentation, test execution, defect reporting and tracking for Personal banking module | | |  | | | 5 | | Jagjot Singh | Tester | Test case documentation, test execution, defect reporting and tracking for corporate banking module | | |  | | | **SNO** | **TASK** | | | | **DAYS** | **DURATION** | | **REMARKS** | | | 1 | Understanding and Analyzing requirements | | | | 2 | 4th dec to 9th dec | |  | | | 2 | Review meeting | | | | 1 | 10th dec | |  | | | 3 | Generating Test scenarios | | | | 2 | 11th dec to 12nd dec | |  | | | 4 | Reviews | | | | 2 | 13th dec to 14th dec | |  | | | 5 | Test case Documentation | | | | 1 | 15th dec | |  | | | 6 | Reviews | | | | 1 | 16th dec | |  | | | 7 | Test data collection | | | | 1 | 17th dec | |  | | | 8 | Reviews | | | | 1 | 17th dec | |  | | | 9 | Verifying Test Environment Setup | | | | 1 | 18th dec | |  | | | 10 | Create Test Batches | | | | 1 | 19th dec | |  | | | 11 | Sanity Testing | | | | 1 | 19th dec | |  | |   **10) Roles and Responsibilities:**  **11.schedule:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 12 | Comprehensive testing | 1 | 20th dec |  | | 13 | Sanity Testing | 1 | 20th dec |  | | 14 | Selecting Test Cases | 1 | 20th Jan |  | | 15 | Regressing Testing | 2 | 21th dec to 22th dec |  | | 16 | Sanity Testing | 1 | 23th dec |  | | 17 | Selecting Test Cases | 1 | 24th dec |  | | 18 | Regression Testing cycle -2 | 2 | 25th dec to 26th dec |  | | 19 | . |  |  |  | | . | . |  |  |  | | . | . |  |  |  | | 28 | Final Regression | 1 | 26th dec |  | | 29 | Evaluating Exit Criteria | 1 | 27th dec |  | | 30 | Collecting all artifacts | 1 | 27th dec |  | | 31 | Test Summary Report | 1 | 28th dec |  |   Note: Regression Testing depends on Application and strength of Development team.  **12)Training:**  1.Training program on Amazon Domain.  2.Test Automation Training Using Katalon Tool.    **13) Risks and Mitigations: NA**  **14) Test Environment/ Lab:**  Application Type: Web Application, Internet and public.  *Server Side:*  1. Host name nsdan - Nru707   * Local OS Windows 11 64bit * Katalon version 9.1.0.212 * Browser Chrome 120.0.0.0 |
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