| |  | | --- |      | **TEST PLAN** | | --- |   **Project Name**    **Breaking the Skies – Travel Booking Platform**   | **Prepared By**  **Thoorpati Swathi** | | --- | |
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| | **OverView** | | --- |   As part of the project, ‘***BlazeDemo***’ is to test a few functionalities. This document serves as a high level test planning document with details on the scope of the project, test strategy, test schedule and resource requirements, test deliverables and schedule.   | **Introduction** | | --- |   **BlazeDemo FlightBooking Web-Application** is a modern travel booking platform that offers flight and hotel bookings in one best interface. The objective of this test plan is to outline the comprehensive strategy that will be executed by the QA team within 48 hours to ensure maximum quality, security, and performance readiness.  **URL:-** [BlazeDemo-flightBooking](https://blazedemo.com/)   | **Objective** | | --- |   The objective of this test effort is to perform both Manual Testing and Automation Testing using Selenium with Java to ensure all application features function as intended.   | **Scope** | | --- |   The scope of the project includes testing the following features  In-Scope  The Testing Scope focus on the parts of the   * End-to-end manual and functional , exploratory testing of the entire booking flow. * Automation scenarios using Selenium * Performance testing using JMeter * Collaborative re-validation post mid-cycle change.   Out-Scope   * Security Testing * Integration testing with third-party vendors or external payment gateways. * API Testing (as BlazeDemo does not expose public APIs)  | **Test Features** | | --- |  * Search (Flights + Hotels) * Filter & Sort * Flight/Hotel selection * Passenger/Traveler detail form * Booking Confirmation * Performance under concurrent load * UI/UX flows impacting business conversion   From our understanding, we believe the above functional areas need to be Tested.   | **Testing Approach** | | --- |  **Manual Testing:**  * Exploratory testing * Functional testing with edge case validation * UI/UX review and usability  **Automation Testing:**  * Selenium-based automation of booking workflows * Script development, validation.  **Performance Testing:**  * Load testing using JMeter * Response time and throughput analysis  | **Test Environment** | | --- |   Proper environment setup ensures smooth test execution:   * **Manual Setup:**   + **Operating System**: Windows, [optional - macOS, Ubuntu ] * **Browsers**: Chrome, Firefox, Edge. * **Devices**: Desktop, Mobile. * **Automation Tools**:Selenium , Visual Studio Code, GitHub * **Automation Setup:**   + Instal STS or Eclipse   + Initialize Selenium - Maven project.   + Add Dependencies from Maven Repository   + Uses TextNG frameworks  | **Roles and Responsibilities** | | --- |  | **Name** | **Role** | **Responsibilities** | | --- | --- | --- | | Madavali Kusuma | Test Lead | Consolidate evidence, logs, screenshots, summary metrics | | Thoorpati Swathi | Manual Tester | Exploratory testing, documentation, UX review | | Prajyothi Suryawanshi | Automation Tester | Writing the Automation Scripts |  | **Test Schedule** | | --- |   Following is the test schedule planned for the project:   | **Tasks** | **Time Duration** | | --- | --- | | Creation of Test Plan, Test Scenarios , Test Cases, Bug Reports | 15-05-2025 - 16-05-2025 | | Automation- Selenium Setup | 15-05-2025 | | Test Scripts | 15-05-2025-17-05-2025 | | Reports | 17-05-2025 |  | **Test Deliverables** | | --- |  | **Deliverables** | **Description** | | --- | --- | | Test Plan | Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule | | Test Scenario and Test Cases | Process/steps to perform the tasks | | Bug Report | Finding critical bugs | | Automation Scripts | Test Scripts to automating |  | **Entry and Exit Criteria** | | --- |   **Entry criteria**  Once the testing team receives the requirements documents and uses the project documents, Include what functions need to be tested and how the software should behave.  **Exit Criteria**  The testing team should thoroughly explore and understand each requirement listed in the documents. Any uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team understands what needs to be tested and how it should behave  **Test Planning**  ➢  **Entry Criteria:**  Testable Requirements derived from the given requirements documents. The Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.  ➢  **Exit Criteria:**  The Masai Team Of the BlazeDemo signs off the Test Plan  **Test Designing**  **➢ Entry Criteria:**  The Test Plan document needs to be reviewed and approved by the client and then the Test Plan Document is signed off by the Client.  **➢ Exit Criteria:**  Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed off by the Client.  **Test Execution**  ➢  **Entry Criteria:**  Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. The application is ready for further  Testing.    ➢  **Exit Criteria:**  Test Case Reports and Defect Reports are ready.  **Test Closure**  ➢  **Entry Criteria:**  Test Case Reports and Defect Reports are ready.  ➢ **Exit Criteria:**  Test Summary Reports provide an overview of the entire testing process   | **Testing Tools** | | --- |   The following are the list of Tools we will be using in this Project:   * X mindmap * Google Docs, Excel Sheet * Eclipse/STS * Slack - Collaboration * Zoom  | **Risks and Mitigation** | | --- |  | **Risks** | **Mitigation** | | --- | --- | | Lack of Automation testers | Backup Resource Planning. | | No detailed requirement is available. | Subject matter experts available for a deep understanding of functionalities |  | **Approvals** | | --- |   Masai will send different types of documents for Client Approval like below:  ● Test Plan  ● Test Scenarios  ● Reports  Testing will only continue to the next steps once these approvals are done. |
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