**Test Plan Document**

|  |  |
| --- | --- |
| **Test plan identifiers** | railyatri.in |
| **Reference** | railyatri.in About us description document, Google, IRCTC rules and regulations document |
| **Introduction** | RailYatri obtained the IRCTC license and under it, it has now been authorized to continue its e-booking services.  RailYatri is a one stop solution that furnishes an expanse of data-based travel discovery. RailYatri aims to serve its passengers with inclusive and comprehensive information that helps those making informed decisions, thus simplifying their train travels.  RailYatri.in is a premier portal for Indian Railways train travelers. It gives inclusive experience of Smart Bus booking, Food on Train service, Train ticket booking & journey information.  This is system test plan for RailYatri. Testing will be done manually on Login and Food on train service module. Test approach and schedule will be mentioned in respective section of this test plan. |
| **Approach** | 1. **Method of Testing: -**     1. Black Box Testing 2. **Levels of Testing: -**     1. System Testing 3. **Type of Testing: -**    1. Functional Testing    2. Compatibility Testing    3. GUI Testing    4. Usability Testing |
| **Test Items** | 1. Login 2. Logout 3. Food on Train |
| **Feature to be tested** | 1. **Login** 2. **Food on Train**    1. By PNR    2. By Train |
| **Features not to be tested** | 1. Train Tickets 2. Intrcity Smart bus 3. Train Information 4. Train Status / PNR Status |
| **Test deliverable** | * Test plan * Test Scenario * Test case * Defect Report |
| **Test Environment** | |  |  | | --- | --- | | Hardware:- |  | | RAM | 2GB | | Processor | Intel i3 core processor with 3Ghz | | Operating System | Windows, Linux | | Server | Apache Tomcat | | Browser | Google Chrome, Mozilla fire-fox | | Software | MS word, MS excel, Adobe pdf reader, Google chrome, Mozilla firefox | | pdf reader | Adobe pdf reader, MS excel | |
| **Schedule** | |  |  |  |  | | --- | --- | --- | --- | | **Sr. no.** | **Task/ Activities** | **Days** | **Date range** | |  | Test plan writing | 1 | 11/10/2023 | |  | Test scenario writing | 1 | 12/10/2023 | |  | Test case writing | 1 | 13/10/2023 | |  | Test case execution | 1 | 14/10/2023 | |  | Defect reporting | 1 | 15/10/2023 | |  | Presentation | 1 | 17/10/2023 | |
| **Responsibilities** | |  |  |  |  | | --- | --- | --- | --- | | **Sr. no.** | **Name of the person** | **Designation** | **Test Activities** | |  | VIDYA | Test lead | Review | |  | TRIPATI | Jr. Tester | Test plan writing | |  | TRIPATI | Jr. Tester | Test case writing | |  | TRIPATI | Jr. Tester | Test Case execution | |  | TRIPATI | Jr. Tester | Defect Reporting | |
| **Staffing and training need** | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Staff** | **Skills** | **Training Conducted by** | **Employee name** | **Training topic** | | Manual Tester -1 | Manual testing, Test Case writing, Test scenario writing, Defect reporting, Mantis | Vidya Adlinge | Tripati Mahanty | Manual testing, Test Case writing, Test scenario writing, Defect reporting, Mantis | |
| **S/W Risk issues(Product)** | * Software doesn’t perform some functions as per specification. * Software doesn’t perform as per expectation. * User experience of the product doesn’t meet customer expectations. * Response times are high for critical functions. * Software is unreliable and frequently fails to work. * Safety and security related issues. * Data base security related issues. |
| **S/W Risk issues(Project)** | * Delay in receiving built. * Network connection issues. * Installation issues. * Lack of resources. * Backup and Restore problem. * Database connection issues. * Unavailability of Test Environment. * Lack of system admin. * Delay in fixing defects by developing team. * Shortage of staffs and their skills. |
| **Risk and contingencies** |  |
| **Suspend and resume criteria** | |  |  | | --- | --- | | **Suspend Criteria** | **Resume Criteria** | | * Show stopper defect found (Blocker Defect) | * Show Stopper defect is resolved and retested | | * No electricity | * Electricity issue resolved | | * System crashed | * System is required and started working properly | | * Network Crashed | * Network is available | |  |  | |
| **Item pass / fail criteria** | |  | | --- | | **Exit criteria:-** (Item pas fail criteria) | | * All the test case should be executed(i.e. 100% Test coverage) | | * 90% Test case should be pass and 100% test case may be fail with low severity and low priority. | | * Required Quality of product (software) should be achieved. | | * All the test deliverables should be Updated | |
| **Approval** | |  |  |  |  | | --- | --- | --- | --- | | **Sr. No.** | **Name of the person** | **Designation and role** | **Date** | |  | Vidya Adlinge | Trainer | 17/10/2023 | |