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| **Test Plan**  **(https://opensource-demo.orangehrmlive.com)**  [**Test Plan 1**](https://docs.google.com/document/d/1sKylrIfnBZ69ThwYAsyVG86HpUiJQGQQnunatDc9ino/edit?tab=t.0#heading=h.51hg6lvrosmi)  [**Objective 2**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.tyoevl8rsr)  [**Scope 2**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.iiu9rdxvbojv)  [**Inclusions 4**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.v0jbkqx2u9xu)  **Test Environments 5**  **Defect Reporting Procedure 5**  **Test Strategy 6**  **Test Schedule 7**  **Test Deliverables. 08**  **Entry and Exit Criteria 09**  [**Entry Criteria: 10**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.oprnh6cxof3h)  [**Exit Criteria: 11**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.1es4cb8zit02)  [**Test Execution 11**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.6secjh67li5z)  [**Entry Criteria: 11**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.yoezb5z0afyy)  **Exit Criteria: 08**  **Test Closure 09**  **Entry Criteria: 09**  **Exit Criteria: 10**  [**Tools 11**](https://docs.google.com/document/d/13RFWaw_YRbJSbkAIyV0mobhnsF2MYROcZVr_C5w5xzA/edit#heading=h.rv4zw92wbnho)  **Risks and Mitigations 11**  **Approvals 11**      **Objective:-** The objective of this test plan (**orangehrlive**) is to ensure that the all  platform meets all the functional requirements, provides a user-friendly experience, is secure, and performs well under various load conditions.     * React 18.2.0 * jQuery 2.1.1 * JavaScript * Database Postgres SQL * Web Server (Apache suggested) * Nginx     **Scope:-**  The scope of this test plan includes the following areas:                          Login and registration functionality                          Admin panel functionality                          PIM functionality                          Recruitment functionality                          Dashboard functionality                          Leave functionality                          Time functionality                          My info functionality                          Claim functionality                            The criteria that will be used to evaluate the success of the testing, such as the number of defects found, the time taken to complete the testing, and user satisfaction ratings.                           The roles and responsibilities of the team members involved in the testing, such as the test lead, testers, and developers.  The schedule and milestones for the testing, including the start and end dates, and the planned testing activities.  The tools and equipment that will be used for testing, such as testing software, hardware, and documentation templates.  **Inclusions:- This section would provide on overview on test plan include its purpose , scope, goals.**                       Login                       Dashboard page                       PIM page                       Recruitment page                       Dashboard page                       Leave page                       Time page                       My info page                       Claim page    https://lh7-rt.googleusercontent.com/docsz/AD_4nXf4Zriit8e-LeopGK_6ysWO0aVhlQgjJ3jg4nQgBk94unYCMqll83_yqCnvELts0y2PHCWW4Wkbko24P1OEcoCsk7HM3xnlR7uqH5ZcEuGNd8dR3wsTh0xDqC5owPoiosIOXvbw?key=bpRNJlRAhzlv1zqlZ47_Xlk7    Test Environments  The following test environments will be used:     * Development environment * Test environment * Production environment   The **operating systems** and versions that will be used for testing, such as Windows 10, macOS, or Linux.  The browsers and versions that will be tested, such as Google Chrome, Mozilla Firefox, or Microsoft Edge.  The device types and screen sizes that will be used for testing, such as desktop computers, laptops, tablets, and smartphones.  The network connectivity and bandwidth that will be available for testing, such as Wi-Fi, cellular, or wired connections.  The hardware and software requirements for running the test cases, such as a specific processor, memory, or storage capacity.  The security protocols and authentication methods that will be used to access the test environment, such as passwords, tokens, or certificates.  The access permissions and roles of the team members who will be using the test environment, such as testers, developers, or stakeholders.   |  |  | | --- | --- | | **Name** | **Env url** | | QA | demo.orangehrlive.com | | Pre Prod | preprod.orangehrlive.com | | UAT | uat.orangehrlive.com | | Prod | app.orangehrlive.com |    Windows 10 – Chrome, Firefox and Edge  • Mac OS – Safari Browser  • Android Mobile OS – Chrome  • iPhone Mobile OS - Safari  Defect Reporting Procedure  The criteria for identifying a defect, such as deviation from the requirements, user experience issues, or technical errors.  The **steps for reporting a defect**, such as using a designated template, providing detailed reproduction steps, and attaching screenshots or logs.  The **process for triaging and prioritizing defects, s**uch as assigning severity and priority levels, and assigning them to the appropriate team members for investigation and resolution.  The **tools and systems** that will be used for tracking and managing defects, such as a defect tracking software or a project management tool.  The **roles and responsibilities of the team members** involved in the defect reporting process, such as testers, developers, and the test lead.  The **communication channels a**nd frequencies for updating stakeholders on the progress and status of defects.  The metrics and metrics that will be used to measure the effectiveness of the defect reporting process, such as the number of defects found, the time taken to resolve them, and the percentage of defects that were successfully fixed.   |  |  | | --- | --- | | **Defect Process** | **POC** | | New Frontend | Devesh | | Backend | Sonal | | Dev Ops | Prajeeth |     Tools - JIRA  **Test Strategy**  The first step is to create test scenarios and test cases for the various features in  Scope.  While developing test cases, we'll use a number of test design techniques.  o Equivalence Class Partition  o Boundary Value Analysis  o Decision Table Testing  o State Transition Testing  o Use Case Testing   We also use our expertise in creating Test Cases by applying the below:  o Error Guessing  o Exploratory Testing  • We prioritize the Test Cases  Step 2: Our testing procedure when we receive a request for testing:  • First, we'll conduct smoke testing to see if the various and  important functionalities of the application are working.  • We reject the build, if the Smoke Testing fails and will wait for the stable  build before performing in depth testing of the application functionalities.  • Once we receive a stable build, which passes Smoke Testing, we perform  in depth testing using the Test Cases created.  • Multiple Test Resources will be testing the same Application on Multiple  Supported Environments simultaneously.  We then report the bugs in bug tracking tool and send dev. management  the defect found on that day in a status end of the day email.  As part of the Testing, we will perform the below types of Testing:  o Smoke Testing and Sanity Testing  o Regression Testing and Retesting  o Usability Testing, Functionality & UI Testing  • We repeat Test Cycles until we get the quality product.    Step3 –  We will follow the below best practices to make our Testing better:  • **Context Driven Testing** – We will be performing Testing as per the context  of the given application.  • **Shift Left Testing** – We will start testing from the beginning stages of the  development itself, instead of waiting for the stable build.  • **Exploratory Testing** – Using our expertise we will perform Exploratory  Testing, apart from the normal execution of the Test cases.  • **End to End Flow Testing** – We will test the end-to-end scenario which  involve multiple functionalities to simulate the end user flows.  **Test Schedule**  Following is the test schedule planned for the project –  Task Time Duration     |  |  | | --- | --- | | **Task** | **Dates** | | ▪ Creating Test Plan | 28/02/2025 | | ▪ Test Case Creation | 03/02/2025 | | ▪ Test Case Execution | 05/02/2025 | | ▪ Summary Reports Submission Date | 11/02/2025 |   **2 Sprints  to Test the Application**  Test Deliverables.                The following are to be delivered to the client:-     |  |  |  | | --- | --- | --- | | Delivered | Description | Completion date | | Test plan | Details of scope of project, resource, plan test strategy, test schedule, test requirement, test delivered | 08/03/2025 | | Functional test cases | Test cases created for the scope defined | 09/03/2025 | | Defect report | Defect identify for screenshot step to reduce for the daily basis | 11/03/2025 | | Summary report | Bug priority | 11/03/2025 | |
| **Entry and Exit Criteria:**  The below are the entry and exit criteria for every phase of Software Testing Life  Cycle:  Requirement Analysis  **Entry Criteria:**  • Once the testing team receives the Requirements Documents or details  about the Project  **Exit Criteria:**  • List of Requirements are explored and understood by the Testing team  • Doubts are cleared  **Test Execution**  **Entry Criteria:**  • Test Scenarios and Test Cases Documents are signed-off by the Client  • Application is ready for Testing  **Exit Criteria:**  • Test Case Reports, Defect Reports are ready  **Test Closure**  **Entry Criteria:**  • Test Case Reports, Defect Reports are ready  **Exit Criteria:**  • Test Summary Reports    **Tools**  The following are the list of Tools we will be using in this Project:  • JIRA Bug Tracking Tool  • Mind map Tool  • Snipping Screenshot Tool  • Word and Excel documents  **Risks and Mitigations**  The following are the list of risks possible and the ways to mitigate them:  Risk: Non-Availability of a Resource  Mitigation: Backup Resource Planning  Risk: Build URL is not working  Mitigation: Resources will work on other tasks  Risk: Less time for Testing  Mitigation: Ramp up the resources based on the Client needs dynamically  **Approvals**  Team will send different types of documents for Client Approval like below:  • Test Plan  • Test Scenarios  • Test Cases  • Reports  Testing will only continue to the next steps once these approvals are done |