## Strategy for HDFC Life Calculate premium Manual Testing Project

The objective is to test the end-to-end functionality, usability, and performance of the HDFC Life Calculate premium application and ensure it meets the business and technical requirements.

### Scope

#### In scope:

 User Management

 Employee Information Management

 Leave Management

 Time and Attendance

 Recruitment

 Performance Management

 Dashboard and Reporting

 Compatibility with various browsers and devices

#### Out of scope:

 Integration with third-party systems not related to core functionality

 Physical fulfilment of HR processes

 Non-web functionalities

### Focus Areas

 **Functional Correctness:** Ensure all workflows and features work as intended.

 **UI/Navigation:** Verify the user interface and navigation ease.

 **Performance:** Assess the load, stress, and scalability of the application.

 **Security:** Check for vulnerabilities and ensure data is encrypted and secure.

 **Compatibility:** Test across different browsers, devices, and operating systems.

 **Usability:** Evaluate ease of use and accessibility.

### Approach

**Testing Techniques:**

* Black box testing
* Exploratory testing for critical workflows
* Cross-browser compatibility testing (Chrome, Firefox, Edge, Safari)
* Compatibility testing on various devices (desktops, laptops, tablets, smartphones)

**Types of Testing:**

* Functional Testing: Verify that the application functions correctly according to the requirements.
* Usability Testing: Evaluate the user interface and user experience.
* Regression Testing: Ensure that new changes do not affect the existing functionalities.
* Compatibility Testing: Ensure the application works across different browsers and devices.
* Security Testing: Identify and fix vulnerabilities

### Deliverables

 Functional test cases and reports

 Security vulnerabilities report

 Test coverage and defect reports

 User acceptance testing report

### Team & Schedule Testing

A team of 5 members will be needed for a 4-month testing effort. The proposed schedule is as follows:

**April:** Functional and security testing

**May:** Performance and load testing

**June:** Compatibility testing and UAT

**July:** Regression testing

### Entry & Exit Criteria User stories

Entry Criteria:

* Requirement documents are ready.
* Test environment is set up.
* Test cases are prepared and reviewed.

Exit Criteria:

* All test cases are executed with no critical defects outstanding.
* Test summary report is prepared and reviewed.

### Risks

* **Risk:** Delay in test environment availability.
  + **Mitigation:** Have a backup environment ready.
* **Risk:** Lack of access to necessary systems or data.
  + **Mitigation:** Plan for necessary access in advance.
* **Risk:** Complex workflows may require more time and resources.
  + **Mitigation:** Allocate additional time and resources as needed.

This test strategy outlines a comprehensive approach to ensure the Orange HRM application is thoroughly tested and meets the quality standards.