**Task 2: Estimation**

**Objective:** Estimation for the new features in the application (user registration, booking of the office place, user roles, and native mobile application), we'll develop a rough estimate with a Work Breakdown Structure (WBS) for the test activities planned. The estimation will be based on the user stories provided and will outline the activities involved, along with assumptions and the expected quality level.

**Work Breakdown Structure (WBS)**

# **1.Test Planning:**

* Understanding new features and requirements.
* Developing a test strategy.
* Preparing test plan documentation.
* Estimated Time: 8 hours

# **2.Test Case Development:**

## **User Registration:**

* Test case creation for User registration functionality.
* Estimated Time: 12 hours.

## **Booking Office Place:**

* Test case creation for booking and cancellation features.
* Estimated Time: 16 hours.

## **User Roles:**

* Test case creation for different user roles (user and office manager).
* Estimated Time: 12 hours

## **Native Mobile Application:**

* Test case creation for mobile app functionality.
* Estimated Time: 20 hours.

# **3.Test Environment Setup:**

* Setting up test environments for web and mobile platforms.
* Configuring test data.
* Estimated Time: 16 hours.

# **4.Test Execution:**

* Running test cases for new features and old features.
* Logging defects.
* Estimated Time: 50 hours Regression testing. (8 hours per user story and 8-10 hours for old test cases/features).

# **5.Defect Management:**

* Triaging reported defects.
* Retesting fixes.
* Estimated Time: 20 hours.

# **6.Reporting and Documentation:**

* Preparing test reports and review of report.
* Updating documentation with test results.
* Estimated Time: 8 hours.

# Total Estimated Time: 142 hours.

# **Assumptions:**

* Availability of test cases for old features.
* Availability of necessary test environments and tools.
* Access to detailed requirements and design documentation.
* Collaboration from development and product management teams.
* Stable builds are available for testing.

# **Expected Quality Level:**

* Thorough coverage of new and old features with comprehensive test cases.
* Identification and resolution of major and critical defects before release.
* Ensuring usability and functionality on both web and mobile platforms.
* Achieving a high level of user satisfaction with minimal post-release issues.

# **High-Level Description of Test Process:**

1. **Test Case Development**: Creating detailed test cases for each new feature and user story.
2. **Test Environment Setup**: Preparing necessary environments for both web and mobile testing.
3. **Test Execution**: Conducting testing according to the plan and documenting findings.
4. **Defect Management**: Managing reported defects and ensuring they are addressed appropriately.
5. **Reporting**: Compiling a final report detailing the testing process and outcomes.