Rough Estimate with Work Breakdown Structure (WBS)

Assumptions:

- The existing system is stable and well-tested.
- The team has experience with similar testing scenarios.
- The user stories are well-documented and cover all aspects of the new features.
- Testing will be performed in an iterative and incremental manner.
- The development activities are aligned with the testing schedule.

Test Activities:

Requirements Analysis and Test Planning (5 days):
- Review user stories and requirements.
- Identify test scenarios and create test cases.
- Develop a test plan including the testing strategy and schedule.

Test Environment Setup (3 days):
- Set up testing environments for different configurations (web and mobile).

Functional Testing (15 days):
- Test user registration functionality.
- Test booking and cancellation of office places.
- Validate user roles (user and office manager).
- Test mobile application functionality.
- Validate system responses for office place management.

Integration Testing (7 days):
- Verify interactions between newly added features and existing functionality.
- Ensure seamless data flow between user registration, booking, and mobile application.

Performance Testing (5 days):
- Conduct load testing for the booking system to ensure scalability.
- Test the responsiveness of the mobile application under various scenarios.

Usability Testing (4 days):
- Evaluate the user interface and user experience of the web and mobile applications.
- Ensure that the registration and booking processes are intuitive.

Regression Testing (8 days):
- Validate that existing functionalities remain unaffected.
- Re-run previously executed test cases to ensure overall system stability.

Result for the Customer:

- A thoroughly tested and stable system with enhanced features.
- A detailed test report including test coverage, identified issues, and recommendations for improvement.
- Assurance that the new features meet the specified requirements and user expectations.

High-Level Description:

The estimation and planned activities follow a systematic approach, covering different testing aspects to ensure the quality of the increment. It begins with a thorough analysis of requirements, followed by the establishment of suitable test environments. The testing process includes functional, integration, performance, usability, and regression testing, ensuring a comprehensive evaluation. The iterative nature of testing allows for early detection and resolution of issues, leading to a high-quality end product.