**Task 3: Structured Report on Test Activities**

**Executive Summary:**

* This report consolidates the outcomes of the evaluation tasks undertaken to assess the web-form functionality for searching available workplaces in an organization and the estimation for testing the current system along with planned new features. The report aims to provide a clear and comprehensive overview of the testing requirements, test cases, estimation for planned test activities, and the high-level process that will be followed.

**Requirements Analysis**

* **Functionality:** The system should allow for searches with various combinations of parameters, offering filtering, sorting, and navigational capabilities in the search results.
* **Data Validation**: Search parameters must be validated, particularly ensuring date ranges are not set in the past.
* **Performance and Usability**: The system is expected to provide quick search results and a user-friendly interface.

**Test Data and Test Cases**

* **Data Sets**: Dates: Valid future dates, today's date, past dates, and invalid date formats.
* **Floor numbers**: Valid and invalid inputs, Equipment: Various combinations and no selection.
* **Test Cases**: 16 test cases were designed to cover all aspects of the functionality, including search capabilities, date validation, sorting and navigation, data validation, user interface, usability, and performance.

**Identified Bad Requirements:**

* Requirement 4: about searching only for future dates may limit legitimate business needs.
* Requirement 7:"without delay" is not quantifiable and needs clarification.

**Assumptions Made**

* The requirement "System shall allow searching without setting search parameters" implies that all workplaces should be listed when no search criteria are set.
* The search results should be presented in a table format.
* The sorting functionality works in both ascending and descending order.

**Task 2: Estimation for Test Activities**

**WBS:-**

* The WBS included test planning, case development, environment setup, test execution, performance, security and compliance testing, UAT, and test closure.

**Estimation Summary**

* The total estimated effort for testing activities is 200 hours, covering all phases from planning to closure.

**Assumptions for Estimation**

* We are considering deployment will be on time
* No critical bug/blocker issue is there
* Bug will be fix on time

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**Conclusion**

* The report provides a detailed insight into the testing strategy for the existing and new features of the workplace search application. The requirements have been analyzed, test cases created, and a thorough estimation provided to guide the testing efforts. The expected outcome is a well-tested system, ready for production with an anticipated high level of quality.

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