**Test Report: Conference Room Booking System**

**Report Date:** 24.10.2024

**Tested By:** Taspia Roshid Manna

**Environment:** Windows laptop, Smart Phone.

**Overview**

The test cases validate the functionality of the conference room booking system, focusing on large room bookings. The system's behavior was tested for booking durations ranging from 0 hours to over 7 days. Each test case assessed the system's ability to handle input, compute costs correctly, and display appropriate messages.

**Test Summary**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case ID** | **Scenario** | **Status** | **Comments** |
| CRBA-31 | Booking for 0 hours | Pass | Displayed error as expected. |
| CRBA-32 | Booking for 1 hours | Pass | Cost correctly displayed as $200. |
| CRBA-33 | Booking for 2 hours | Pass | Cost correctly displayed as $400. |
| CRBA-34 | Booking for 7 hours | Pass | Cost correctly displayed as $1400. |
| CRBA-35 | Booking for 8 hours | Pass | Cost correctly displayed as $1600. |
| CRBA-36 | Booking for 9 hours | Pass | Cost correctly displayed as $1600. |
| CRBA-37 | Booking for 23 hours | Pass | Cost correctly displayed as $1600. |
| CRBA-38 | Booking for 24 hours | Pass | Cost correctly displayed as $1600. |
| CRBA-39 | Booking for 25 hours | Pass | Cost correctly displayed as $1800. |
| CRBA-40 | Booking for 71 hours | Pass | Cost correctly displayed as $4800. |
| CRBA-41 | Booking for 72 hours | Pass | Cost correctly displayed as $4800. |
| CRBA-42 | Booking for 73 hours | Pass | | Cost correctly displayed as $11200. |
| CRBA-43 | Booking for 6 days 23 hours | Pass | | Cost correctly displayed as $11200. |
| CRBA-44 | Booking for 7 days | Pass | | Cost correctly displayed as $11200. |
| CRBA-45 | Booking for 7 days 1 hour | Pass | | Cost correctly displayed as $11400. |

**Key Observations**

* **Error Handling:** The system successfully rejected invalid booking durations (e.g., 0 hours).
* **Cost Calculation:** Costs aligned with the expected pricing logic for all tested durations.
* **Boundary Values:** System performed correctly at key boundaries (e.g., 24 hours, 7 days).

**Defects Identified**

None observed. All scenarios functioned as expected.

**Recommendations**

* Ensure continuous monitoring of boundary conditions during future updates.
* Test other room types and combinations (e.g., small and medium rooms).

**Conclusion**

The test cases validate that the large conference room booking system is functioning as expected for the given requirements.