

Summary:
The requirements for 'Selecting a facility' lack key details needed for clear implementation and effective testing. Specifically, they do not define how availability is determined, how time periods are selected, or how the confirmation process should behave. Below is a checklist-based review followed by a table of identified potential defects related to the **Selecting a Facility (SF)** requirements.

| Checklist-Based Review | | |
|------------------------|---|--|
| # | Checklist Point | Evaluation |
| 1 | Do all requirements give sufficient detail needed for determining the expected results for tests? | No. The requirements do not clearly specify what makes a facility available, whether it depends on its status, available time periods, or other factors. It is also not defined how to select the time period of the facility. Additionally, the process for displaying the confirmation message is unclear, as is what happens to the selected time period after confirmation. Will it be pre-filled, or can other users still select it? |
| 2 | Are all dependencies and restrictions specified? | No. The requirements do not specify the dependency between a facility and its status, nor do they describe how time periods can be selected (e.g. whether multiple selections are allowed). Additionally, the expected behavior of the facility after clicking the 'Continue' button is not defined. |
| 3 | Are alternatives specified for all options? | Partially The behavior after clicking 'Cancel' in the confirmation message is not fully described. It's unclear whether the selected time period remains available or is released. What happen when confirmation message is not appeared when user selected a time period? |

| Potential Defects | | | | |
|-------------------|--|---|----------|---------------|
| # | Defect | Description | Severity | Checklist Ref |
| 1 | Unclear criteria for facility availability | The requirements do not clearly define what makes a facility available for booking — whether it depends on the facility's status, available time slots, or other factors. This lack of clarity may lead to inconsistent implementation of availability rules. | Medium | 2, 4 |
| 2 | Missing definition of time slot appearance and placement | The requirements do not specify where the time slot should be located, how it should appear visually, or what information it should display, and also about multiple select. This lack of detail may cause inconsistent or unclear UI implementations. | Medium | 1, 5 |
| 3 | Unclear definition of confirmation message | The requirements do not provide sufficient details about the confirmation message, including how it should appear (e.g. modal, popup) and what content it must include (e.g. selected facility, time slot). This may result in inconsistent user experience and unexpected behavior during booking. | Medium | 2, 6, 7, 8 |
| 4 | Unclear behavior of the time interval after booking confirmation | The requirements do not specify what happens to the selected time period after the user clicks the 'Continue' button. It is unclear whether the time slot becomes unavailable to others immediately, remains visible, etc. This can cause booking conflicts or incorrect assumptions about slot availability. | High | 3 |