

Summary:

The reviewed requirements for the payment and booking confirmation flow lack key functional and behavioral details. This absence of information could result in inconsistent implementations and gaps in test coverage.

Important areas such as UI layout, error handling for invalid data, behavior after failed payments, and user navigation after booking are insufficiently specified.

Additionally, there are no clear descriptions of alternative flows or how the system should behave in edge cases — such as missing customer emails, failed payment authorizations, or simultaneous booking attempts for the same time slot.

Checklist-Based Review

#	Checklist Point	Evaluation
1	Do all requirements give sufficient detail needed for determining the expected results for tests?	No The requirements lack UI details for the Payment Details and Confirmation pages. It's unclear how and when the system triggers payment authorization, and what happens in cases of invalid or incomplete data. The format and content of the confirmation message and email are also not specified, which affects test coverage for message validation and email content verification
2	Are all dependencies and restrictions specified?	No. The requirements do not define technical or process dependencies, such as whether a third-party service is used for payment authorization. It is unclear how the system handles missing or unconfirmed email addresses in the customer profile. There are no constraints listed on when the payment is charged (e.g., full amount, prepayment). Additionally, there is no confirmation on whether a valid and verified email is required before booking.
3	Are alternatives specified for all options?	No. Alternative flows for common failure or edge cases are missing. For example, it's unclear what happens if the payment details are incorrect, if the user cancels mid-process, or if payment authorization fails repeatedly. There is no fallback behavior described for unavailable services or third-party failures. The requirements also don't clarify what happens after a successful booking (e.g., redirect to homepage, stay on confirmation screen).

Potential Defects

#	Defect	Description	Severity	Checklist Ref
1	Payment authorization trigger timing unclear	It's not clear whether payment authorization is initiated automatically or after user confirmation, which could confuse users or cause premature actions.	Medium	4
2	No fallback behavior if payment authorization fails	Requirements don't define what happens after repeated payment failures or technical errors (e.g., retry options, contact support).	High	5
3	Confirmation message lacks content definition	The content and format of the confirmation message are not defined — could lead to missing or unclear info for the user.	Low	6
4	Email confirmation content undefined	The email sent after booking has no specified content, so essential info (time, date, facility, price) may be missing.	Medium	7
5	No defined flow after booking confirmation	It's not stated where the user is redirected after confirming a booking (e.g., homepage, booking summary), leading to possible navigation confusion.	Medium	7
6	Booked time slot may remain available to others	The requirements do not confirm whether a time slot becomes unavailable to other users once it is booked, which could result in double bookings or conflicts.	High	9