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**Course:** Software Architecture

**Section:** BM

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# Online Hotel Room Booking System

## Function Requirement

## Checking Availability:

**Req id**: R1.1.

**Details**: The page should have a field for arrival and departure dates selection.

**Prioritization**:High

**Req id**: R1.2.

**Details**: The page should have an option for selecting room type.

**Prioritization**:High

**Req id**: R1.3.

**Details**: The page should have an option for selecting number of rooms.

**Prioritization**:High

## Customer Details:

**Req id**: R1.1.

**Details**: Page should display text field for First name, Last name, Telephone number, E-mail address.

**Prioritization**:High

**Req id**: R1.2.

**Details**: Page should display button to previous page with previous page name on the button.

**Prioritization**:High

**Req id**: R1.3.

**Details**: Page should display cancel button which will redirect the customer to hotel home page.

**Prioritization**:High

## Payment Details:

**Req id**: R1.1.

**Details**: Page should display Total price of selected room for selected number of nights.

**Prioritization**:High

## Non Function Requirement

## Performance:

**Req id**: R1.1.

**Details**: Every booking submission & modification should be updated in Hotel’s common database within 10 seconds after each submission & modification activity.

**Prioritization**:High

**Req id**: R1.2.

**Details**: Results for cross checking of availability of rooms in internal database and customer’s choice shall be in 5 seconds.

**Prioritization**:High

**Req id**: R1.3.

**Details**: Webpage UI load time should be within 2 secs.

**Prioritization**:High

## Security:

**Req id**: R1.1.

**Details**: Customer’s personal details shall be encrypted.

**Prioritization**:High

**Req id**: R1.2.

**Details**: Customer’s credit card details shall be deleted from database after checkout date.

**Prioritization**:High

## Portability:

**Req id**: R1.1.

**Details**: System shall be accessible on Google Chrome, Firefox, Safari, Opera and Internet explorer.

**Prioritization**:High

## Maintainability:

**Req id**: R1.1.

**Details**: System failure recovery shall be within 40 mins.

**Prioritization**:High

## Business Rules:

### Room Type:

* 1 single room can accommodate either 1 adult or 1 child.
* 1 double room can accommodate 2 adults, 2 children or 1 adult and 1 child.