# Week 7 - Final Project Prep

For this assignment, submit your final project plan to Canvas. This plan should include the following:

* The scope of your project:

I will be working on the Hotel Management System

* How you will accomplish the necessary requirements for week 8

I will use requirement gathering, documentation, illustrations/diagrams and coding to accomplish the necessary requirements for week 8.

* Your initial use case diagram (actors, etc)

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| Use Case Name | Booking |
| ID | UC1 |
| Scenario | Client is booking a room at the hotel |
| Triggering Event | Client want to book a room at the hotel |
| Brief Description | Clients want to stay at the hotel and they want to book a room or rooms. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client want to book a room |
| Frequency Of Use | Daily |
| Related Use Cases | Payment |
| Stakeholders | The hotel |
| Preconditions | Client is booking a room |
| Postconditions | Client successfully booked a room |
| Main Course | 1. Client tries to book a room 2. The system checks to see if the room is available    1. If yes, the client can book the room    2. If no, notify the client that the room is already booked, they can contact the receptionist for further assistance |
| Alternate Course | 1. The app malfunctions, clients can’t book their room.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Rooms Info |
| ID | UC2 |
| Scenario | Client checks the rooms information |
| Triggering Event | Client want to know how much each room cost |
| Brief Description | Client is booking a room and they want to know how much each room costs. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client wants to book a room. |
| Frequency Of Use | Daily |
| Related Use Cases | Booking |
| Stakeholders | The hotel |
| Preconditions | Client wants to know how much is each room. |
| Postconditions | Client was able to see how much is each room |
| Main Course | 1. Client tries to access their room info 2. The system checks to see if client info exist in the database    1. If yes, display room info    2. If no, notify the user that they must be a client and they can contact the receptionist for further assistance |
| Alternate Course | 1. The app malfunctions, clients can’t access room info on the app.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Room Service |
| ID | UC3 |
| Scenario | Client uses room service |
| Triggering Event | Client wants to use room service |
| Brief Description | Client is staying in one of the rooms at the hotel and they ordered room service using the app |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client is staying in one of the rooms at the hotel and client want room service |
| Frequency Of Use | Daily |
| Related Use Cases | Booking, Payment |
| Stakeholders | The hotel |
| Preconditions | Client wants room service and they ordered it through the app |
| Postconditions | Client was able to order room service through the app |
| Main Course | 1. Client tries to order room service 2. The system tries to execute an order    1. If successful, the client get their room service    2. If unsuccessful, the client is notified why they can’t order room service and they can contact the receptionist for further assistance |
| Alternate Course | 1. The app malfunctions, clients can’t order room service.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Payment |
| ID | UC4 |
| Scenario | Client has booked the room and now they want to make a payment. |
| Triggering Event | Client want to make a payment using the app after booking a room |
| Brief Description | Client that wants to stay at the hotel is making a payment through the app so they can stay at the hotel. They booked the room and now they want to make a payment. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | The client wants to make a payment and they want to stay at the hotel. |
| Frequency Of Use | Daily |
| Related Use Cases | Booking |
| Stakeholders | The hotel |
| Preconditions | Client wants to make a payment after booking a room |
| Postconditions | Client was able to make payment after booking |
| Main Course | 1. Client is using the application to make a payment. 2. The system tries to execute the payment 3. If successful, the client books their room they selected 4. If unsuccessful, the client is notified why the payment didn’t go through and they can contact the receptionist for further assistance |
| Alternate Course | 1. The app malfunctions, clients can’t make their payments.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Record |
| ID | UC5 |
| Scenario | Client can see their record on the app |
| Triggering Event | Client want to see their record on the app |
| Brief Description | Client has been using the app and they want to see their record on the app. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client is using the app |
| Frequency Of Use | Daily |
| Related Use Cases | Booking, Room Info |
| Stakeholders | The hotel |
| Preconditions | Client wants to see their records on the app |
| Postconditions | Client was able to see their records on the app |
| Main Course | 1. Client want to see their records 2. The system checks if the’re a legitimate client    1. If yes, the records is displayed    2. If no, notify the client that their account wasn’t found |
| Alternate Course | 1. The app malfunctions, clients see their records.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Exit The App |
| ID | UC6 |
| Scenario | Client exited the app |
| Triggering Event | Client want to exit the app |
| Brief Description | Client was using the app and now they want to exit the app. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client is done using the application |
| Frequency Of Use | Daily |
| Related Use Cases | None |
| Stakeholders | The hotel |
| Preconditions | Client was using the application |
| Postconditions | Client is done using the application |
| Main Course | 1. Client is exiting the app 2. The system tries to sign them out    1. If successful, the client is allset    2. If no, notify the client that they can’t sign out |
| Alternate Course | 1. The app malfunctions, clients can’t make their payments.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Cancel Booking |
| ID | UC7 |
| Scenario | Client cancels his or her booking |
| Triggering Event | Client want to cancel their booking |
| Brief Description | Client who purchased a booking wants to cancel their booking before without staying at the hotel. They want to get a refund. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | They haven’t attended the hotel |
| Frequency Of Use | seldomly |
| Related Use Cases | Booking |
| Stakeholders | The hotel |
| Preconditions | Client wants to cancel their booking and get a refund. |
| Postconditions | Client was able to cancel their booking and they got their money back. |
| Main Course | 1. Client is canceling their booking 2. The system tries to cancel their booking    1. If successful, the client is allset    2. If no, notify the client that they can’t cancel their booking and for further information they can contact the receptionist |
| Alternate Course | 1. The app malfunctions, clients can’t make their payments.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Cancel Room Service |
| ID | UC8 |
| Scenario | A client cancels his room service |
| Triggering Event | A client wants to cancel their room service |
| Brief Description | Client is staying at the hotel and they want to cancel their room service |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | The client is staying at the hotel and they want to cancel their room service. |
| Frequency Of Use | Seldomly |
| Related Use Cases | Booking |
| Stakeholders | The hotel |
| Preconditions | Client wants to cancel room service for various reasons. |
| Postconditions | Client was able to cancel their room service. |
| Main Course | 1. Client is canceling room service 2. The system tries to cancel their room service    1. If successful, the client is allset    2. If no, notify the client that they can’t cancel their room service and for further information they can contact the receptionist |
| Alternate Course | 1. The app malfunctions, clients can’t make their payments.    1. Receptionist was notified    2. The receptionist notified the hotel staff    3. The hotel Staff resolves fixed the issue |

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| Use Case Name | Use the Fridge In The Room |
| ID | UC9 |
| Scenario | Client uses fridge in the room |
| Triggering Event | Client want to buy water, juice and snack |
| Brief Description | Client is staying at the hotel and they want to buy water, juice, and snacks from the fridge. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client is staying at the hotel and they want to eat what’s inside the fridge. |
| Frequency Of Use | Daily |
| Related Use Cases | None |
| Stakeholders | The hotel |
| Preconditions | Client is hungry and wants to eat what's in the hotel fridge that’s inside their room. |
| Postconditions | Client was able to eat what’s inside the hotel fridge |
| Main Course | 1. Client checks the fridge, if there’s food:    1. If yes, client can eat what’s in the fridge    2. If no, client calls the receptionist |
| Alternate Course | 1. The fridge is empty.    1. Call the receptionist    2. Hotel staff fill up the fridge with food and snacks. |

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| Use Case Name | Eat At The Restaurant |
| ID | UC10 |
| Scenario | Client eats at the restaurant |
| Triggering Event | Client want to eat at the restaurant |
| Brief Description | A client is staying at the hotel and wants to eat at the restaurant that is located inside the hotel. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | The client is staying at the hotel |
| Frequency Of Use | Daily |
| Related Use Cases | Reviews |
| Stakeholders | The hotel |
| Preconditions | Client is hungry and they want to eat in the hotel restaurant |
| Postconditions | Client was able to eat in the hotel restaurant |
| Main Course | 1. Client goes to the restaurant area and orders food using the system 2. The system checks if the client is staying at the hotel    1. If yes, allow the client to buy food    2. If no, notify the client that they need to see a receptionist. |
| Alternate Course | 1. The client is having issues ordering food in the system.    1. Notifies receptionist    2. Receptionist notifies hotel staff    3. Hotel staff fixes the issue |

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| Use Case Name | Use The Spa Services |
| ID | UC11 |
| Scenario | Client uses the spa services |
| Triggering Event | A client or clients want to use the spa services |
| Brief Description | A client or clients are staying at the hotel and they want to use the spa services. |
| Actors | Client, Receptionist, Hotel Staff,Hotel Manager |
| Assumptions | Client is staying at the hotel |
| Frequency Of Use | Daily |
| Related Use Cases | Write review, payment |
| Stakeholders | The hotel |
| Preconditions | Clients want to use the spa at their convenience |
| Postconditions | Clients were able to go to the spa whenever they needed to. |
| Main Course | 1. Clients want to enter the spa    1. The spa is open and the client gets in.    2. If the spa is closed, notify the client to comeback when during open hours |
| Alternate Course | 1. The spa is open but the client’s card malfunctions    1. Client notifies receptionist and receptionist notifies hotel Staff    2. Hotel staff resolves the issue |

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| Use Case Name | Write Reviews |
| ID | UC12 |
| Scenario | A client writes a review |
| Triggering Event | A client wants to write a review, expressing their experience at the hotel. |
| Brief Description | A client stayed at the hotel. On their way out they want to write a review to express their likes and dislikes about the hotel. |
| Actors | Client/Manager |
| Assumptions | The client stayed at the hotel at least one night |
| Frequency Of Use | Regularly |
| Related Use Cases | Use the Spa Services,Eat At The Restaurant,Use The Fridge in the room,Cancel Room Service,Cancel Booking,Exit The app,Record,Payment,Room Service,Rooms Info,Booking |
| Stakeholders | The hotel |
| Preconditions | Clients want their reviews to be taken seriously and they want to affect change. |
| Postconditions | Client reviews were read by the manager and the client received feedback. |
| Main Course | 1. A client writes a review and sends it to the manager 2. The manager read the client’s review to determine if any action needs to be taken    1. If yes, action will taken depending on what the issue is    2. If no action needs to be taken, send the client a thank you message. |
| Alternate Course | 1. Client is dissatisfied with the hotel experience.    1. They write reviews on other websites such as google, yelp. |