UML Assignment 359861
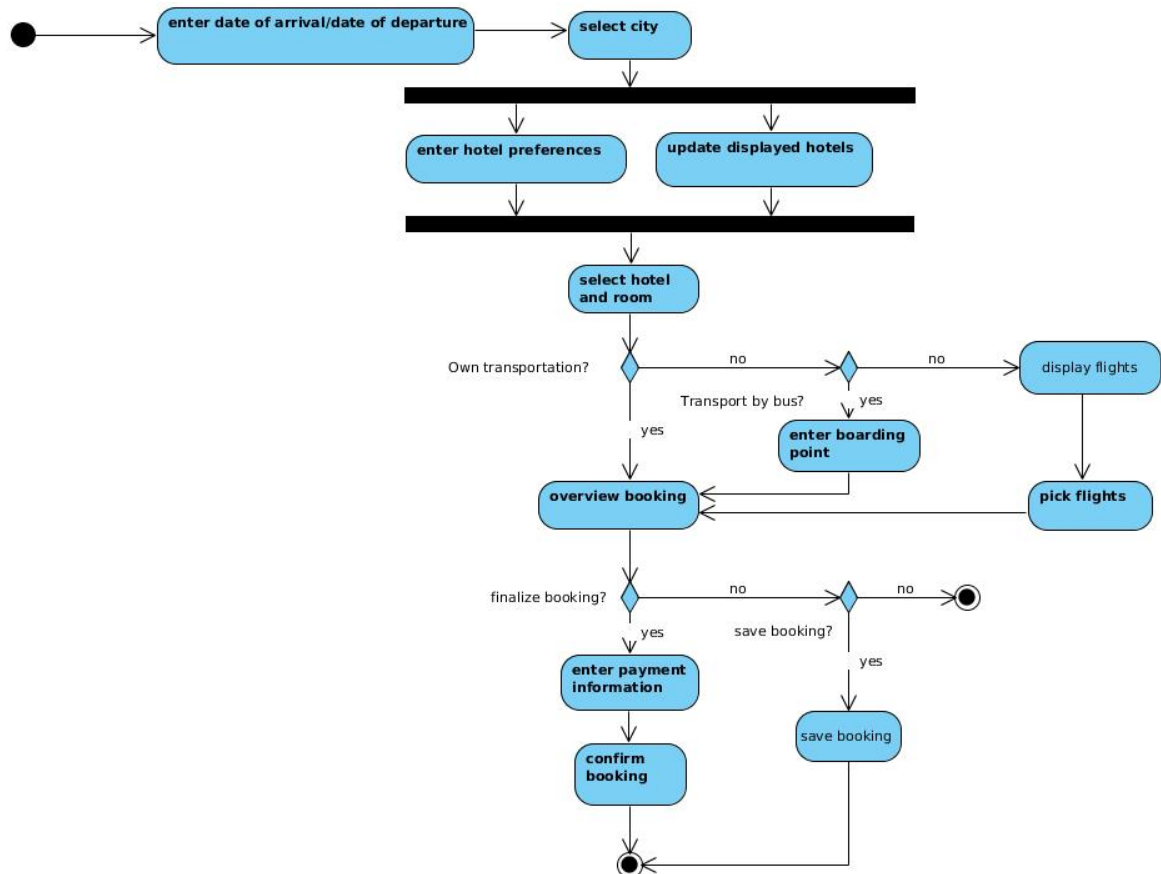
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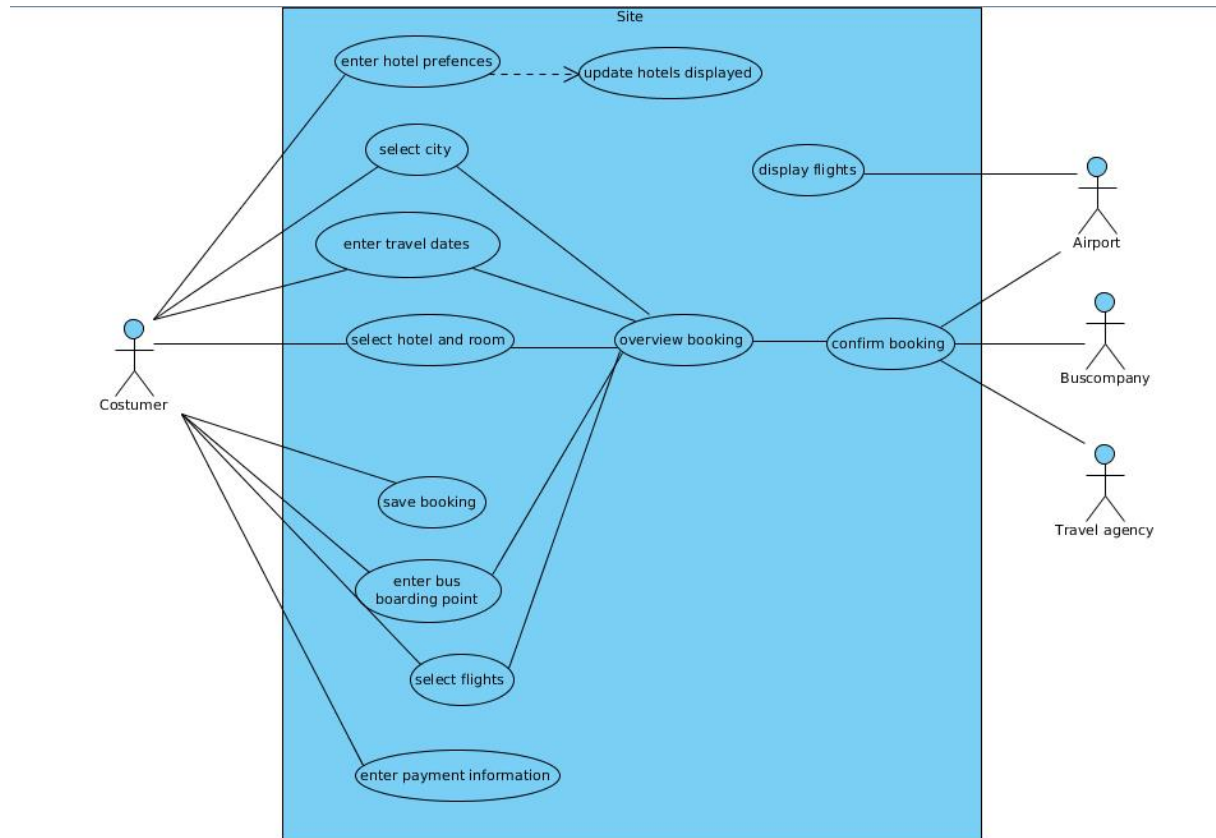
Activity Diagram

The user selects the data he/she wants to travel. Once he has done that, the user can select the city he wants to go to. After that, the user can select the requirements the hotel has to fulfill and this will automatically update the hotels displayed. Once the user has made a decision he selects the hotel and the room. After that the system will ask if the user wants to travel to the hotel with his own transportation. If he does, the user gets an overview of the booking. Then he can finalise the booking if he chooses to. If he doesn't, he gets the option to save the booking or quit the booking process. If the user did finalize the booking, he can enter his payment information and the booking will be confirmed.

If the user chooses to not travel with his own transportation, he is asked if he wants to travel by bus. If so, he can choose the boarding point. Then the booking process resumes as previously described.

If he doesnt want to travel by bus, he has to travel by plane. The possible flights will then be shown on screen and he can book the plane ticket. Then the booking process resumes as previously described.

Use case diagram:

Name use case	Enter date of arrival and departure
Trigger	Customer decides to set the dates for his holiday
Actors	Customer
Preconditions	The costumer is on the travel site
Goal	The dates for the trip are known
Basic course of actions	1. The site displays two empty fields where the date of arrival and date of departure are going to be displayed.
	2. The customer selects the field with the date of arrival
	3. The site shows a calendar
	4. The customer selects the date of arrival
	5. The site now displays the date of arrival but not yet the date of departure
	6. The customer selects the field with date of departure
	7. The site now shows a calendar
	8. The customer selects the date of departure
	9. The site displays the dates of arrival and departure
	10. The customer clicks the 'confirm'button to confirm the dates
Failed conclusion	The dates have not been set, booking process does not yet continue
Post conditions	The dates of travel have been set

Name use case	Select city
Trigger	Customer has set dates and continues booking process
Actors	Customer
Preconditions	Customer has selected the dates for his travels
Goal	The costumer has successfully selected the city he wants to travel to
Basic course of actions	1. The site displays pictures with all the cities he can choose from
	2. The customer selects the city he wants to travel to
	3. The site displays the cities the customer can choose from, and the currently selected city is highlighted
	4. The customer confirms his selecting by pressing the 'confirm' button
Failed conclusion	The customer has not selected a city and can't continue with the booking process until he does
Post conditions	The customer has confirmed the city he wants to travel to

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Name use case	Enter hotel preferences
Trigger	The customer wants to continue booking process
Actors	Customer
Preconditions	The city the customer wants to travel to has been set
Goal	Display all the hotels that meet the customer's requirements
Basic course of actions	1. The site shows all the requirements the customer can choose from 2. The customer selects all the requirements he wants 3. The customer clicks the 'update' button 4. <<include use case *update displayed hotels*>> 5. The site displays hotels that meet the requirements
Failed conclusion	-
Post conditions	The site displays all the hotels that meet the customer's requirements

Name use case	Update displayed hotels
Trigger	Customer has selected his requirements and pressed 'update'
Actors	System
Preconditions	Customer has selected the requirements the hotel has to meet
Goal	Only showint the hotels that meet the requirements
Basic course of actions	1. Site checks database to filter out hotels that don't meet the requirements the customer has set 2. Site displays only the hotels that meet the requirements
Failed conclusion	None of the hotels meet the client's requirements No hotels are shown
Post conditions	Hotels that meet the requirements are shown

Name use case	Select hotel and room
Trigger	The customer has selected all the requirements his hotel has to meet and wants to select one
Actors	Customer
Preconditions	Only hotels that fullfill the requirements are shown
Goal	The customer has selected and confirmed the hotel and room he wants to stay in
Basic course of actions	1. The site displays all hotels that meet the requirements 2. Customer selects the hotel he would like to stay in 3. Site displays all available rooms and costs 4. Customer selects the room he wants to stay in 5. The site asks for confirmation 6. The costumer clicks the 'confirm' button
Failed conclusion	No free rooms available Select different hotel
Post conditions	The customer has confirmed the room and hotel he wants to stay in

Name use case	Overview booking
Trigger	The customer has confirmed his way of transportation
Actors	Customer
Preconditions	The customer has selected his hotel and room, and has selected his way of transportation to said hotel
Goal	Give the customer an overview of all the things he has currently selected
Basic course of actions	1. Site displays all the information the customer has selected so far
Failed conclusion	-
Post conditions	Site displays all the confirmed information the customer has selected

Name use case	Display flight
Trigger	The customer did not want to be transported by bus
Actors	Airport
Preconditions	The customer has selected hotel and room The customer has selected no to the question of own transportation The customer has selected no to the question of

	transport by bus
Goal	Display all flights that meet the travel dates of the customer
Basic course of actions	1. The site checks available flight times with the airport 2. The site displays all available flights for the arrival and departure date of the customer
Failed conclusion	No flights available
Post conditions	The site displays all available flights for the set dates

Name use case	Pick flight
Trigger	The site shows all available flights
Actors	Customer
Preconditions	There are available flights for the dates set by the customer
Goal	Confirming the flights the customer takes
Basic course of actions	1. The site displays all available flights and departure/arrival data for said flights 2. The customer selects the flight for arrival and departure 3. The site displays the options the customer has selected 4. The customer confirms the flight
Failed conclusion	No flights have been selected, booking process pauses
Post conditions	The customer has confirmed the flight data

Name use case	Enter boarding point
Trigger	The customer has selected yes to the question if he wants to travel by bus
Actors	Customer
Preconditions	The customer choose not to travel by own transportation and choose travel by bus
Goal	The customer has booked his bus
Basic course of actions	1. The site displays all possible boarding points and times for the bus to and from his destination 2. The customer chooses the boarding point for his bus 3. The customer clicks the 'confirm' button
Failed conclusion	No boarding points have been selected, booking process pauses
Post conditions	The customer has confirmed his bus boarding time and point

Name use case	Enter payment information
Trigger	User has overviewed the booking and choose to finalize it
Actors	User
Preconditions	User has finalized booking
Goal	Aquire payment information customer
Basic course of actions	1. Site shows the amount that has to be payed
	2. Customer clicks 'continue' button
	3. Site displays all payment options
	4. User selects the payment option he wants to use
	5. User clicks 'continue' button
	6. Site shows the payment option and the fields to enter all necessary details
	7. User enters payment details
	8. User clicks 'confirm payment details'button
	9. Site shows that the payment has been processed
Failed conclusion	Not enough money, abort booking process
Post conditions	The user's payment details are in the system and the payment has been made.

Name use case	Confirm booking
Trigger	Payment has been made
Actors	Travel agency, airport, bus company
Preconditions	Booking has been succesfully paid
Goal	Complete booking by sending booking information over to the relevant actors
Basic course of actions	1. The relevant companies recieve the booking
	2. Site shows the page that informs the customer that the booking has been completed
Failed conclusion	Something has gone wrong while sending the booking over, call travel agency
Post conditions	The booking has been processed and completed

Name use case	save booking
Trigger	The customer chose to save the booking
Actors	Customer
Preconditions	The customer did not want to finalize the booking and in stead decided to save the booking
Goal	Save the booking
Basic course of actions	1. The site shows all data that's going to be saved 2. The customer clicks the 'save' button 3. The site stores the data in the database 4. The site gives the consumer a link to the page where the data is saved
Failed conclusion	Couldn't save the data, please call the travel agency
Post conditions	The booking has been saved for later acces