Use Cases – Iteration 3

Use cases for Iteration 3 are simply Iteration 2 modified uses cases to comply with the new requirements.

USE CASE 08.2: Client Books a Solo Trip

ID	UC08.2
Title	Client Books a Trip
Description	As a client of the Rail Network, I should be able to book a trip for myself according to the desired connection I searched for. However, I don't to wait for a long time for my layover, so I only want to see such options.
Primary Actor	Client.
Preconditions	- Client selected option to book on the terminal. - System successfully displayed the results of the search. - System only displays connections with layovers of 1-2 hours maximum during the day and 30 minutes maximum at night. - Client has identified a desired connections amongst the connections displayed from the search result. - Number of travellers is 1. - Desired connection has available seats/capacity/space. - Client inputs necessary information (name, age and id).
Postconditions	- Trip object created. - Newly created trip has a unique id. - Reservation created for all travellers. - Ticket created for reservation (just one since it's a solo trip) with a unique identifier. - Trip recorded in Trip Registry. - Trip saved to the database. - System displays booking confirmation to client.
Inputs	- Selected connection (amongst connection search results). - Client information: name, age and id. - Number of travellers is entered as 1.
Outputs	- Booking confirmation containing trip id. - Error message if there isn't enough space on connection or if failure. - Ticket information. - Trip details (connection details).
Main Success Scenario	1. Client selects the 'Book a trip' option from the terminal. 2. Client searches for a connection. 3. System displays connection search results. 4. Client selects the connection they want to book. 5. System asks for client details and client inputs details. 6. System asks if client wants to add travellers. 7. Client selects 'No'.

	8. System validates client details and makes sure no duplicate trip/reservation exists. 9. System creates Trip, Reservation and Ticket objects (one of each). 10. System displays booking confirmation and details. 11. System records created trip in Trip Registry and into the database. 12. System prompts user if they want to go back to main menu or exit program.

USE CASE 09.2: Client Books a Family Trip

ID	UC09
Title	Client Books a Family Trip
Description	As a client of the Rail Network, I should be able to book a family trip for travellers other than myself according to the desired connection I searched for. However, we don't to wait for a long time for our layover, so I only want to see such options.
Primary Actor	Client.
Preconditions	- Client has previously searched for a connection via option 2 on the terminal. - System successfully displayed the results of the search. - System only displays connections with layovers of 1-2 hours maximum during the day and 30 minutes maximum at night. - Client has identified a desired connections amongst the connections displayed from the search result. - Client has entered the number of travellers. - Number of travellers is more than 1. - Desired connection has available seats/capacity/space for the number of travellers. - Client inputs necessary information (name, age and id of each traveller).
Postconditions	- Trip object created. - Newly created trip has a unique id. - Reservations created for all travellers. - Ticket created for each reservation (if a client books 3 reservations for 3 travellers, then 3 tickets are created) with a unique identifier. - Trip recorded in Trip Registry. - Trip saved to the database. - System displays booking confirmation.
Inputs	- Selected connection (amongst connection search results). - Client information: names, ages and ids of each traveller. - Number of travellers.
Outputs	- Booking confirmation containing trip id. - Error message if there isn't enough space on connection or if failure. - Tickets information.

	- Trip details (connection details).
Main Success Scenario	1. Client selects the ‘Book a trip’ option from the terminal. 2. Client searches for a connection. 3. System displays connection search results. 4. Client selects the connection they want to book. 5. System asks for client details and client inputs details. 6. System asks if client wants to add travellers. 7. Client selects ‘Yes’. 8. Steps 5 and 6 are repeated until client selects ‘No’ when prompted to add travellers. 9. System validates client details and makes sure no duplicate trip/reservation exists. 10. System creates Trip and Reservation (one of each) and Ticket objects (one for each traveller client has entered details for). 10. System displays booking confirmation and details. 11. System records created trip in Trip Registry and into the database. 12. System prompts user if they want to go back to main menu or exit program.