EAST WEST UNIVERSITY

PROJECT REPORT ON

ONLINE BOOKING SYSTEM FOR TRANSPORTATION

Semester: Fall2021

Course Code: CSE435

Submitted to:

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Professor, East West University

Department of Computer Science & Engineering

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Online Booking System for Transportation

Project Description:

This is a web-based software management system which is called “Online Booking System for Transportation”. This project is meant to ease the process of transport reservation service to the user. User can Login or Register to the system and select comfortable transport service in particular areas as per their choice for their upcoming journey. This Web Application provides new Packages at a flexible price so that users can reserve easily. This system works all the time and also a user-friendly software management system. It shows up-to-date availability of transportation and immediate price quotations, ask for any information on the booking form, handle cancellations, modifications and set up automatic confirmations. In accordance with season Admin can change packages, Payment Report, Booking Report. User also can add another booking, edit or delete the reservation of transportation at any time. Our system saves the valuable asset that’s time, along with accuracy, reliability, and with uniformity.

Sequence Diagrams:

Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of a collaboration. This 3 sequence Diagrams are graphic depiction of the interactions among the elements of our online booking system for transportation.

(1): Sequence Diagram for Registration and Online Booking:

Any users who want to make the use of the system need to hold a Logon ID and password through registration. When a user doesn’t have any account, they must need to sign up to use the system and in order to do this they need to click the signup button which will take them to signup form. In the signup form they need to put some required information to put in and then they can confirm their registration by clicking the submit button. Then they can ask to see the available transport list and book the transport by filling up the booking form and get a confirmation message from the administrator. If they want, they can also see their booking details in their registration profile and logged out of the system.

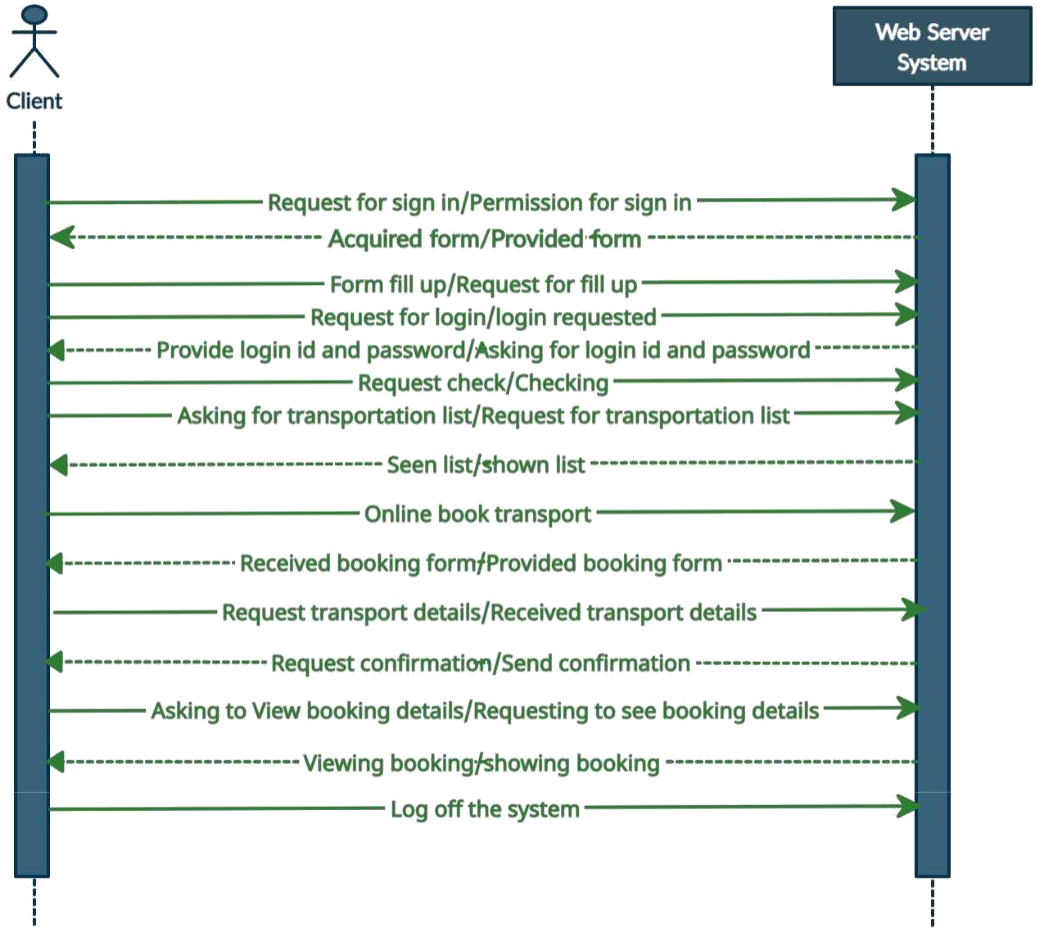

Figure No 1: Sequence Diagram for Registration and Online Booking.

(1): FSP Notation Code for Registration and Online Booking:

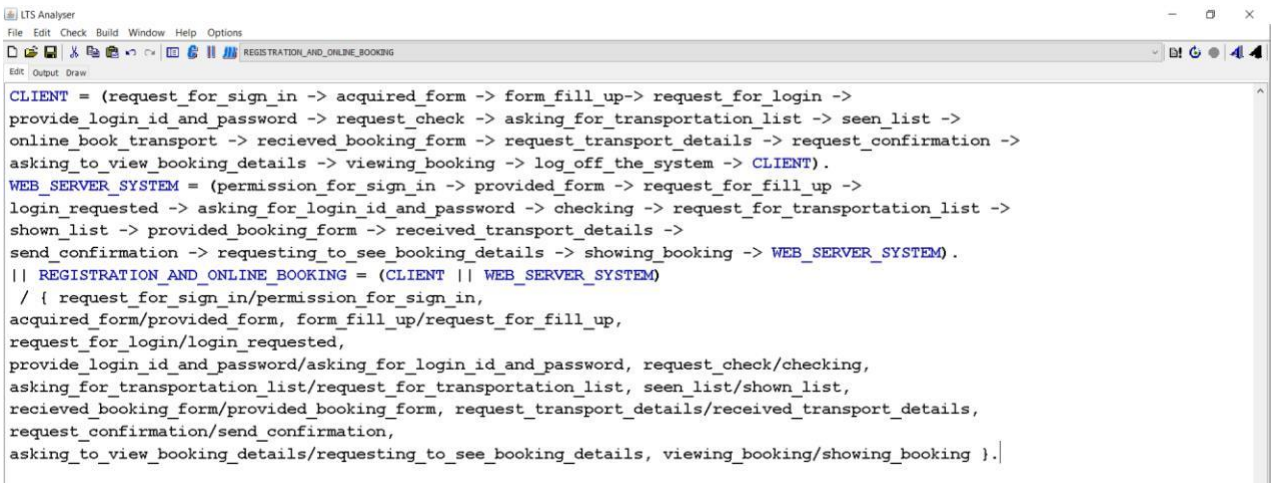

Figure No 2: FSP Notation Code for Registration and Online Booking.

(1): State Transition Diagram for Registration and Online Booking:

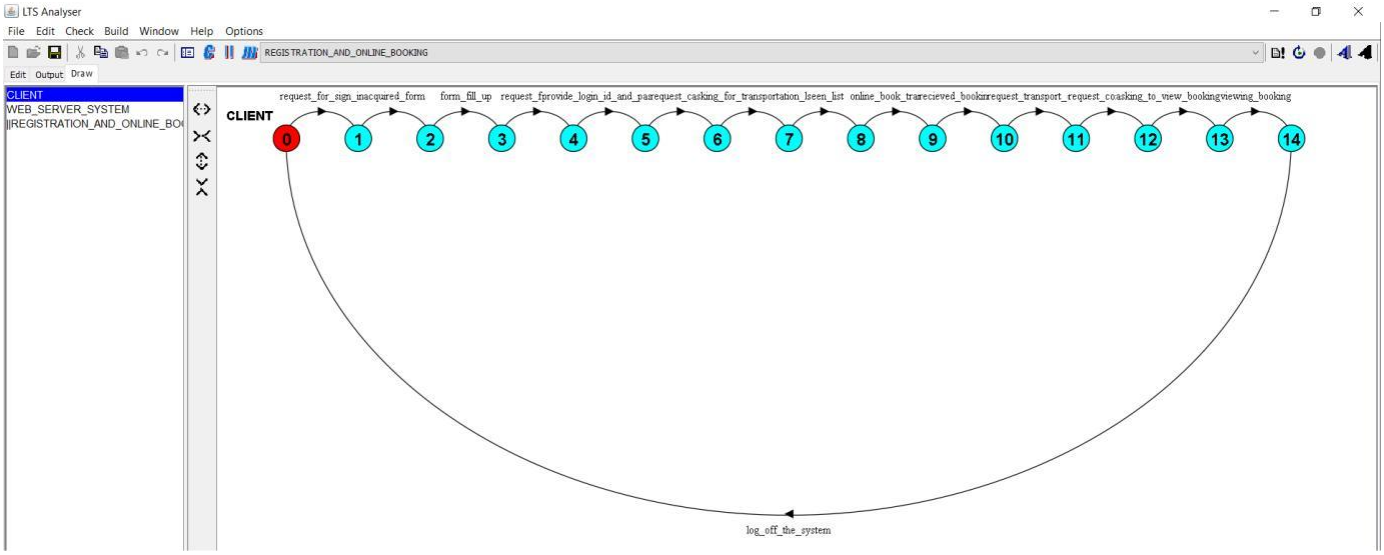

Figure No 3: State Transition Diagram of Client for Registration and Online Booking.

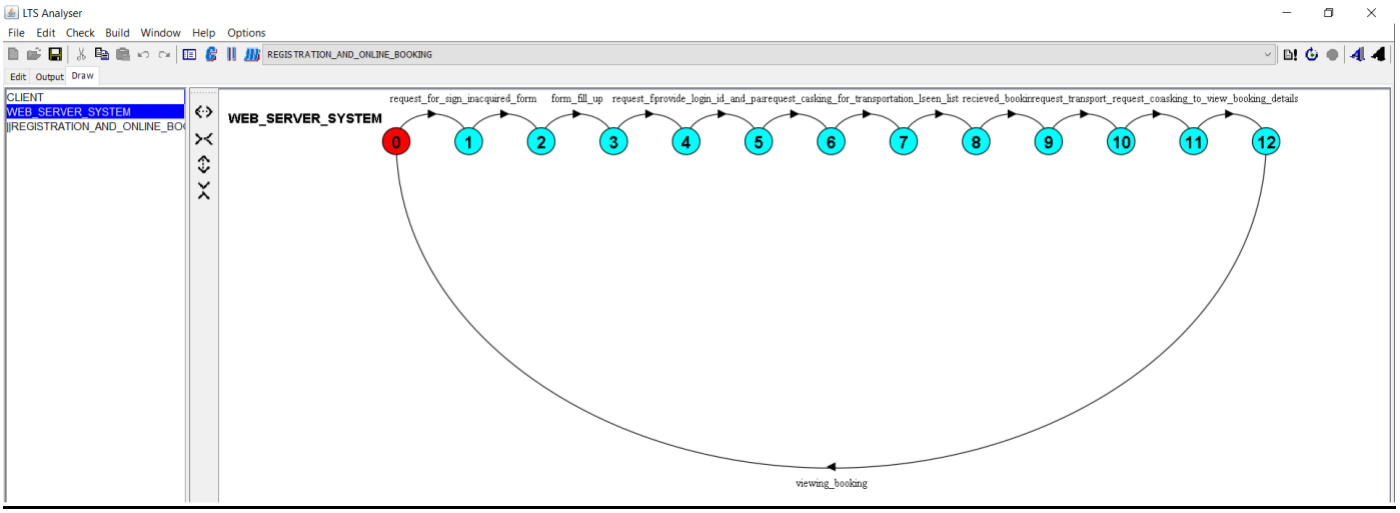

Figure No 4: State Transition Diagram of Web Server System for Registration and Online Booking.

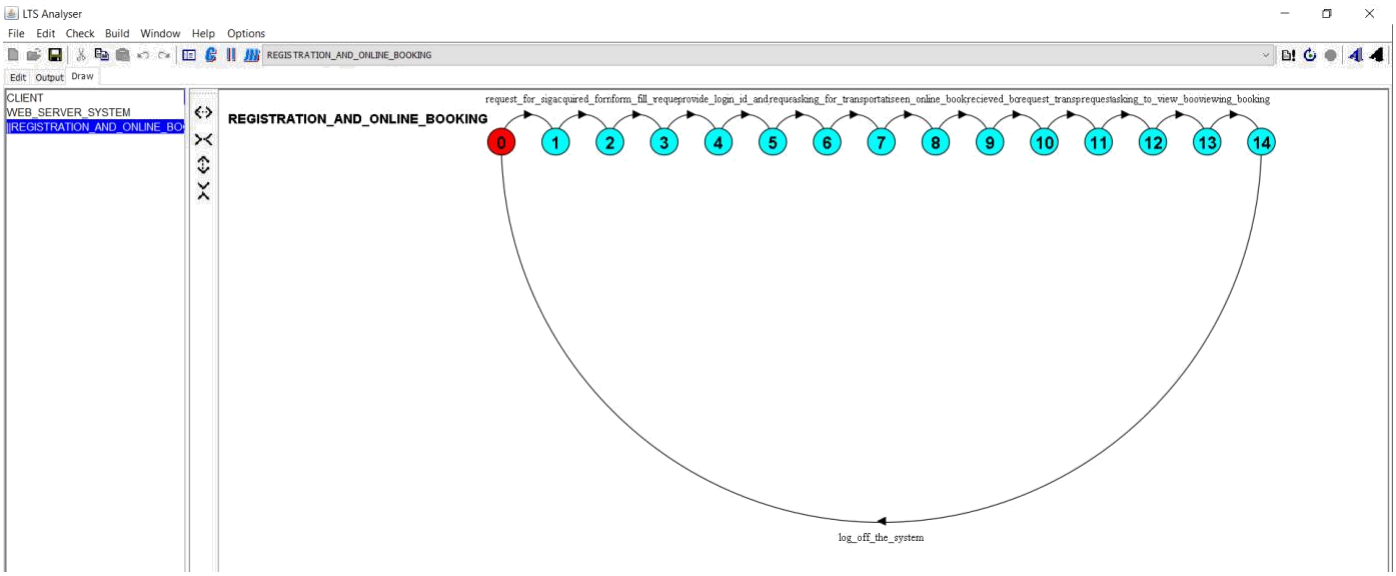

Figure No 5: State Transition Diagram of Composing for Registration and Online Booking.

(2): Sequence Diagram for Deletion of the Online Booking:

If a client wants to log in then the system ask for his/her username and password. If the client is already registered, then the system allows him/her to use the web server system. The client can ask for transportation list, the system shows that list to the client, the client again can ask for view booking list. The server shows that list to the client. The client can also delete his online booking. The system then asks the client about which one to delete. When the client selects the booking that he wants to delete, then the system deletes that booking and again show booking list. After deleting that booking client can logged out from that web server system. This is how our online booking system for transportation will work for deletion of the reservation.

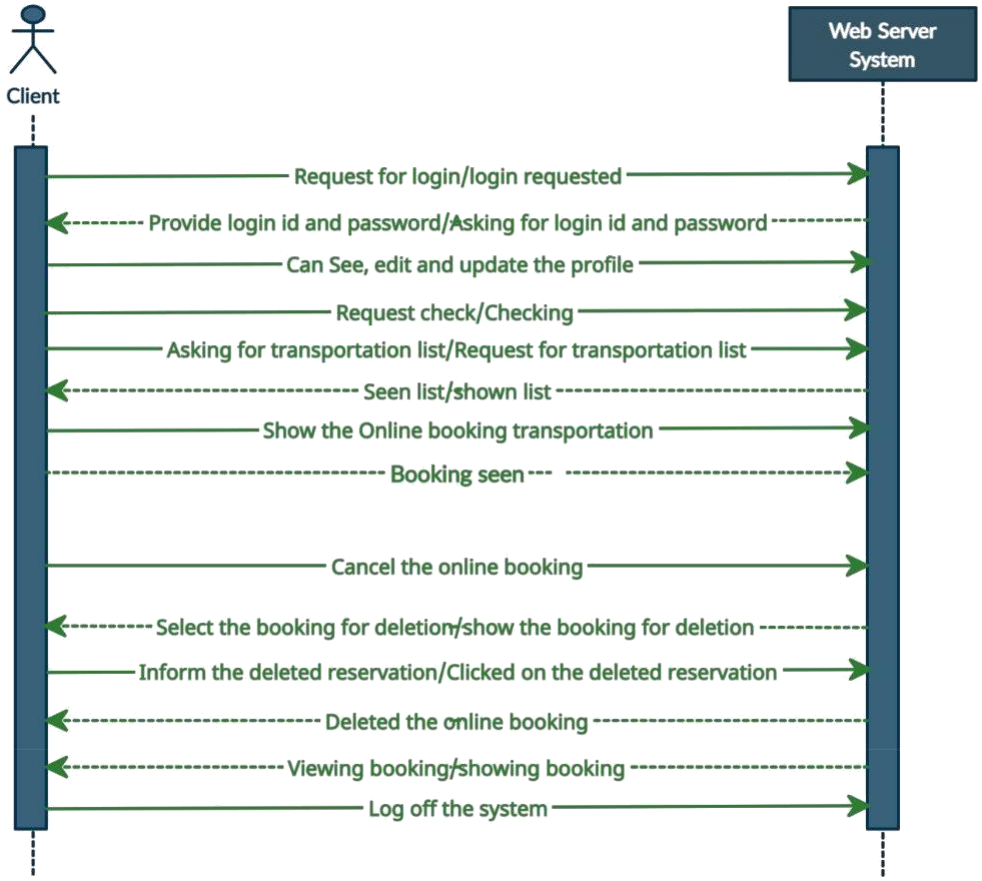

Figure No 6: Sequence Diagram for Deletion of the Online Booking.

(2): FSP Notation Code for Deletion of the Online Booking:

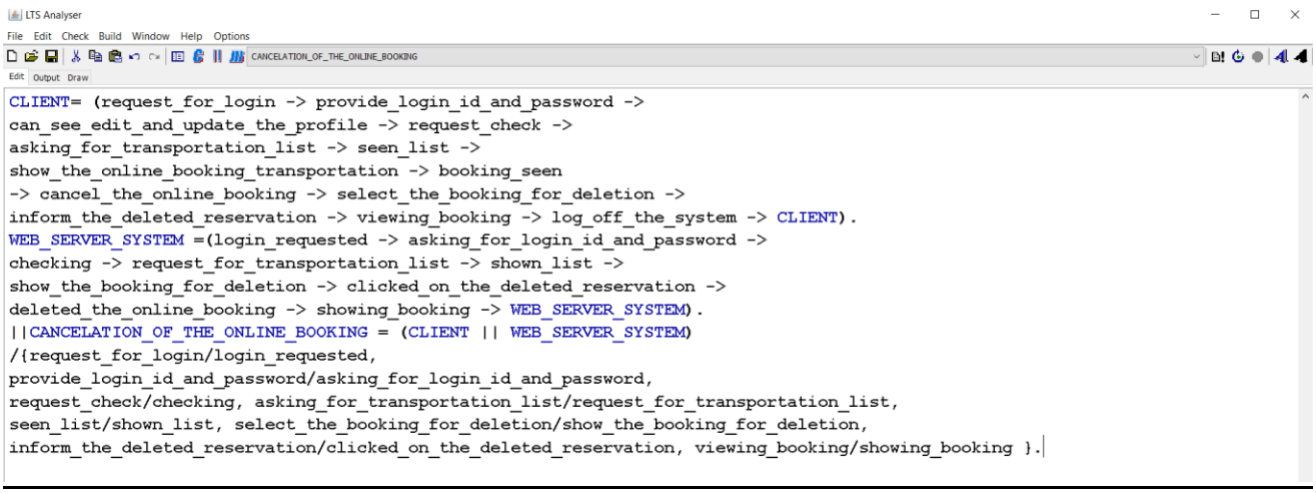

Figure No 7: FSP Notation Code for Deletion of the Online Booking.

(2): State Transition Diagram for Deletion Online Booking:

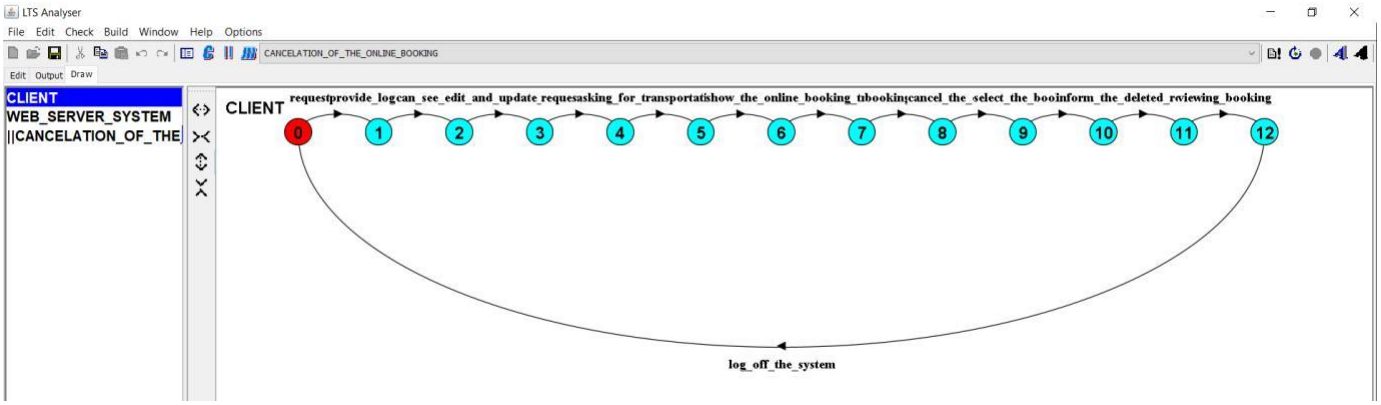

Figure No 8: State Transition Diagram of Client for Deletion Online Booking.

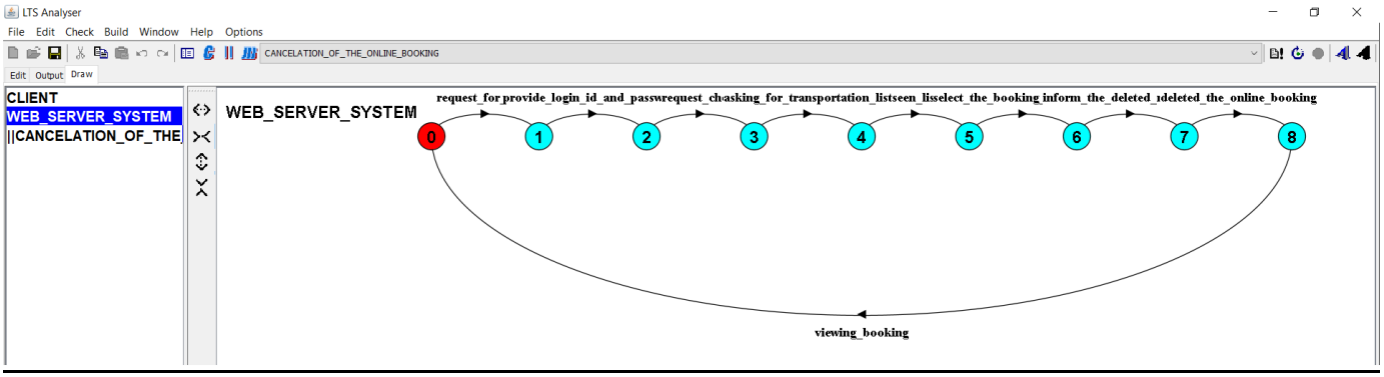

Figure No 9: State Transition Diagram of Web Server System for Deletion Online Booking.

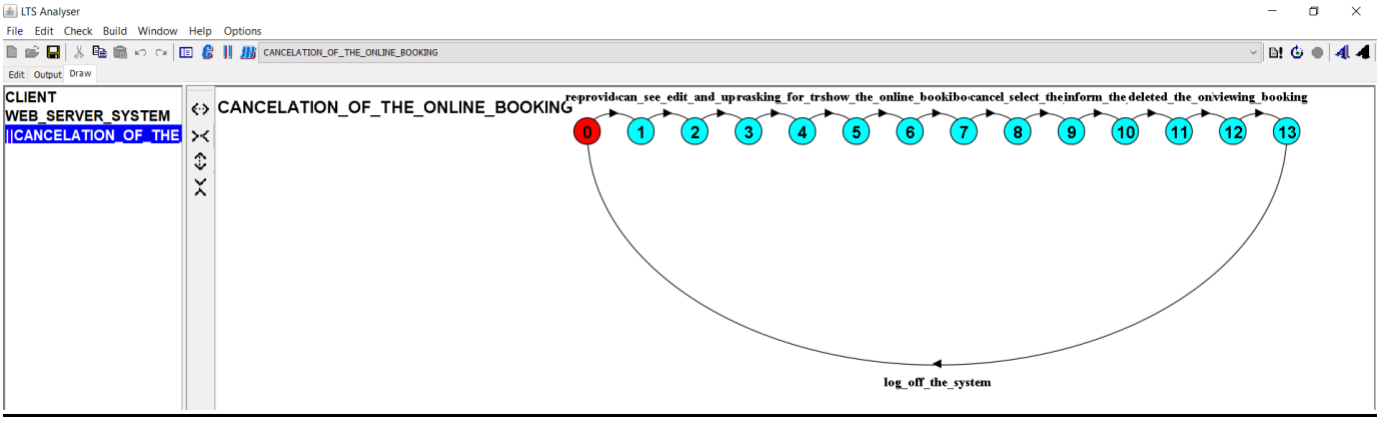

Figure No 10: State Transition Diagram of Composing for Deletion Online Booking.

(3): Sequence Diagram for Modifications of the Online Booking:

Anyone wishing to use this server must first log in. The client sends all of his or her login information to the web server system, which checks it before allowing the client to use it. The client has access to the profile, which he or she can view, modify, and update. A transportation list may be requested by the customer. The client will see the booking list if the system has granted them permission to see the booking history. The client can also edit a booking, but before that system provide a form to the client. He needs to fill the form. Then the client can modify the booking list. Finally, the system shows the edited booking list to the client. After using the modification of the online booking system client can logged out.

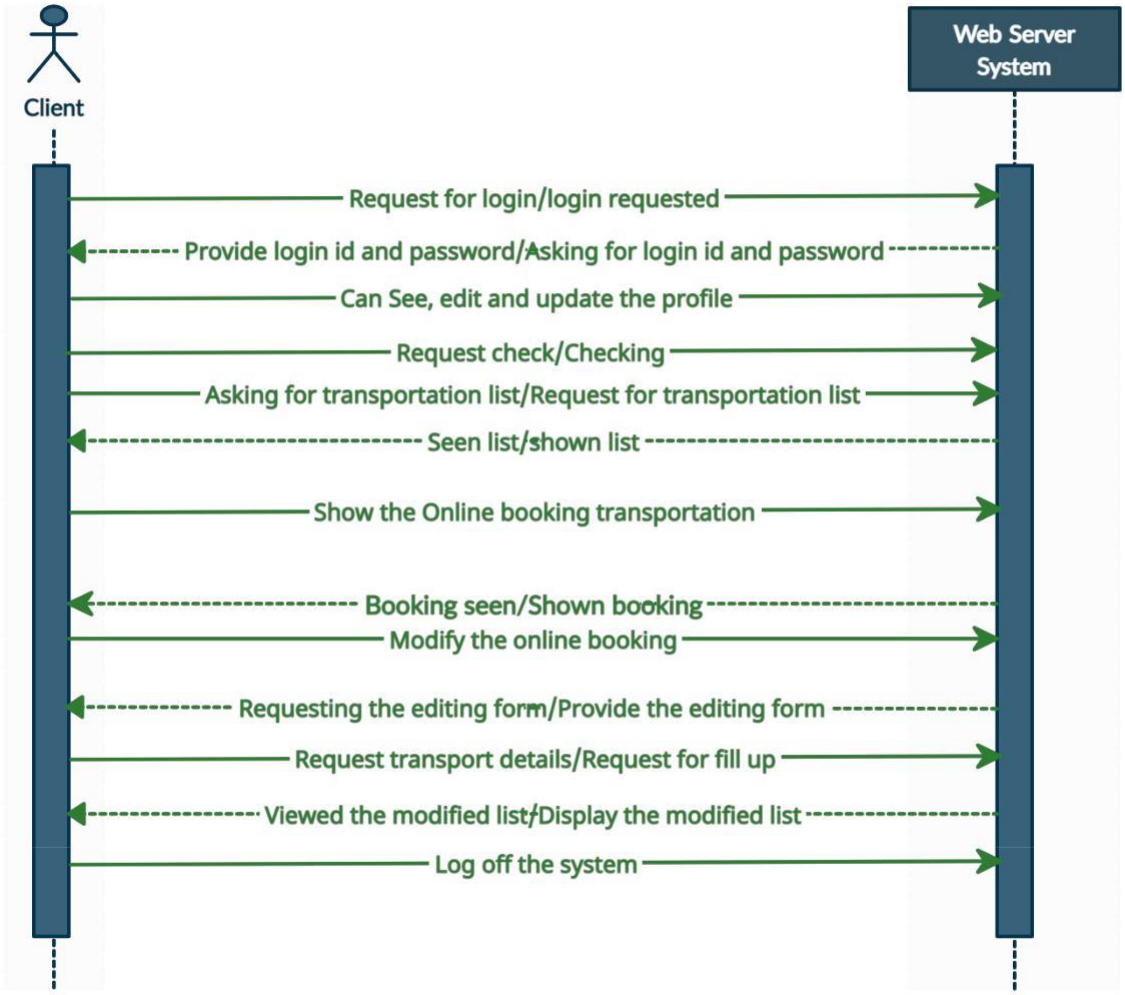

Figure No 11: Sequence Diagram for Modifications of the Online Booking.

(3): FSP Notation Code for Modifications of the Online Booking:

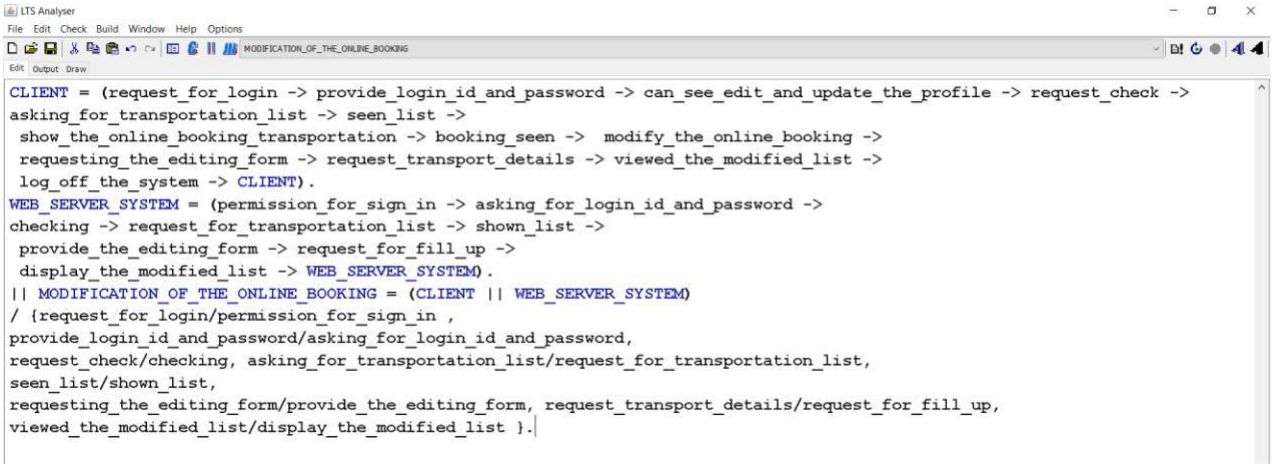

Figure No 12: FSP Notation Code for Modifications of the Online Booking.

(3): State Transition Diagram for Modifications of the Online Booking:

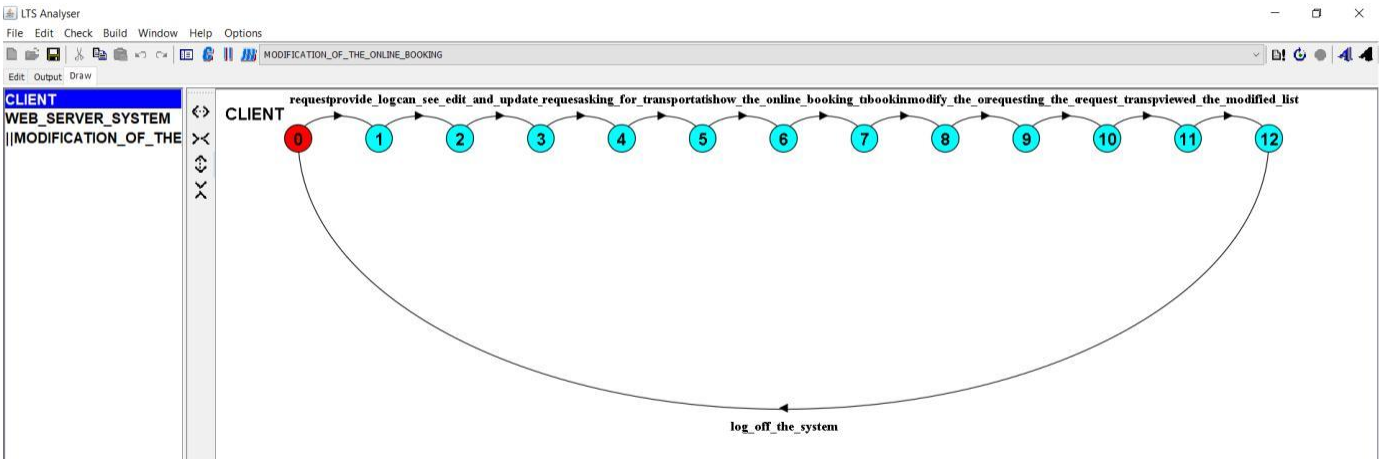

Figure No 13: State Transition Diagram of Client for Modifications of the Online Booking.

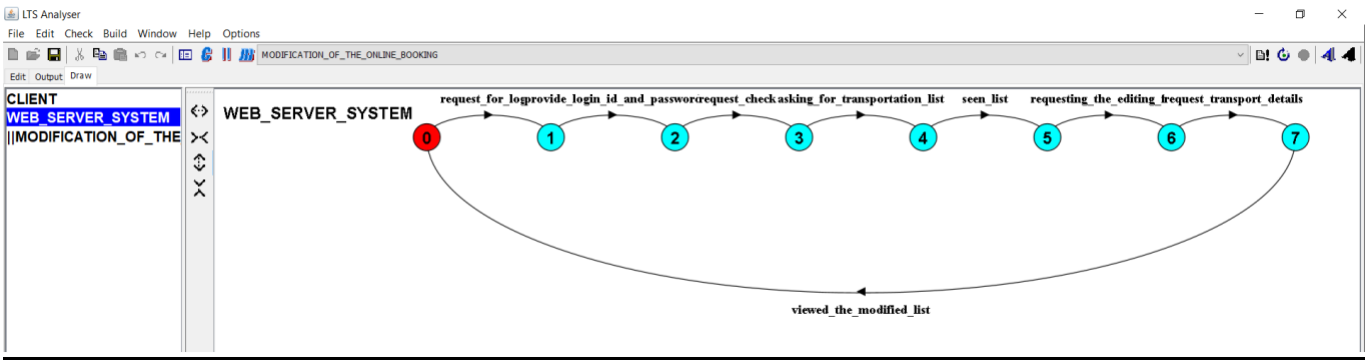

Figure No 14: State Transition Diagram of Web Server System for Modifications of the Online Booking.

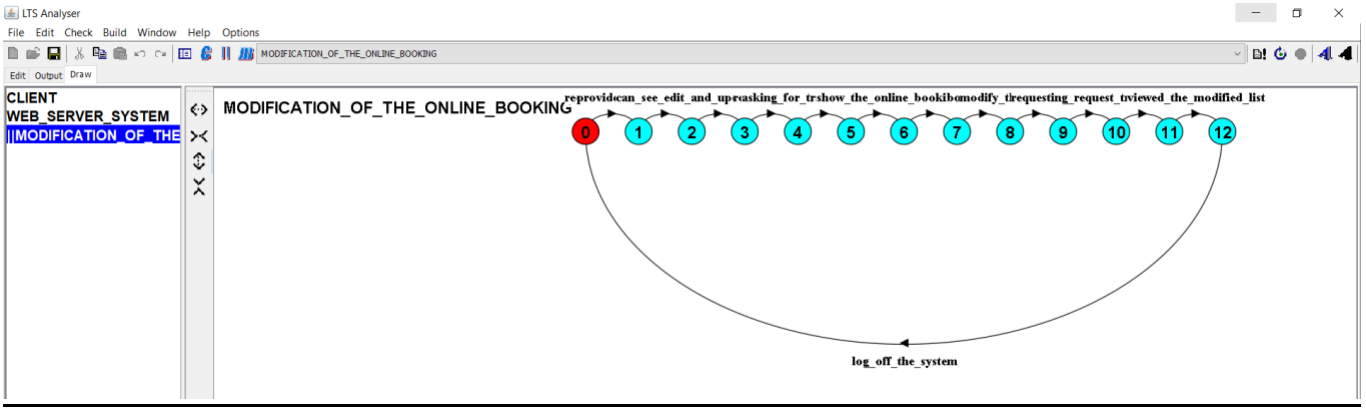

Figure No 15: State Transition Diagram of Composing for Modifications of the Online Booking.