

System Design And Analysis

1. Functional Requirements

- User Login :
 - I. Book ticket
 - II. Choose Source and destination
 - III. Select vehicle type
 - IV. Add passenger details
 - V. Cancellation of Ticket
 - VI. Billing creation
 - VII. Logout

2. Non - Functional Requirements

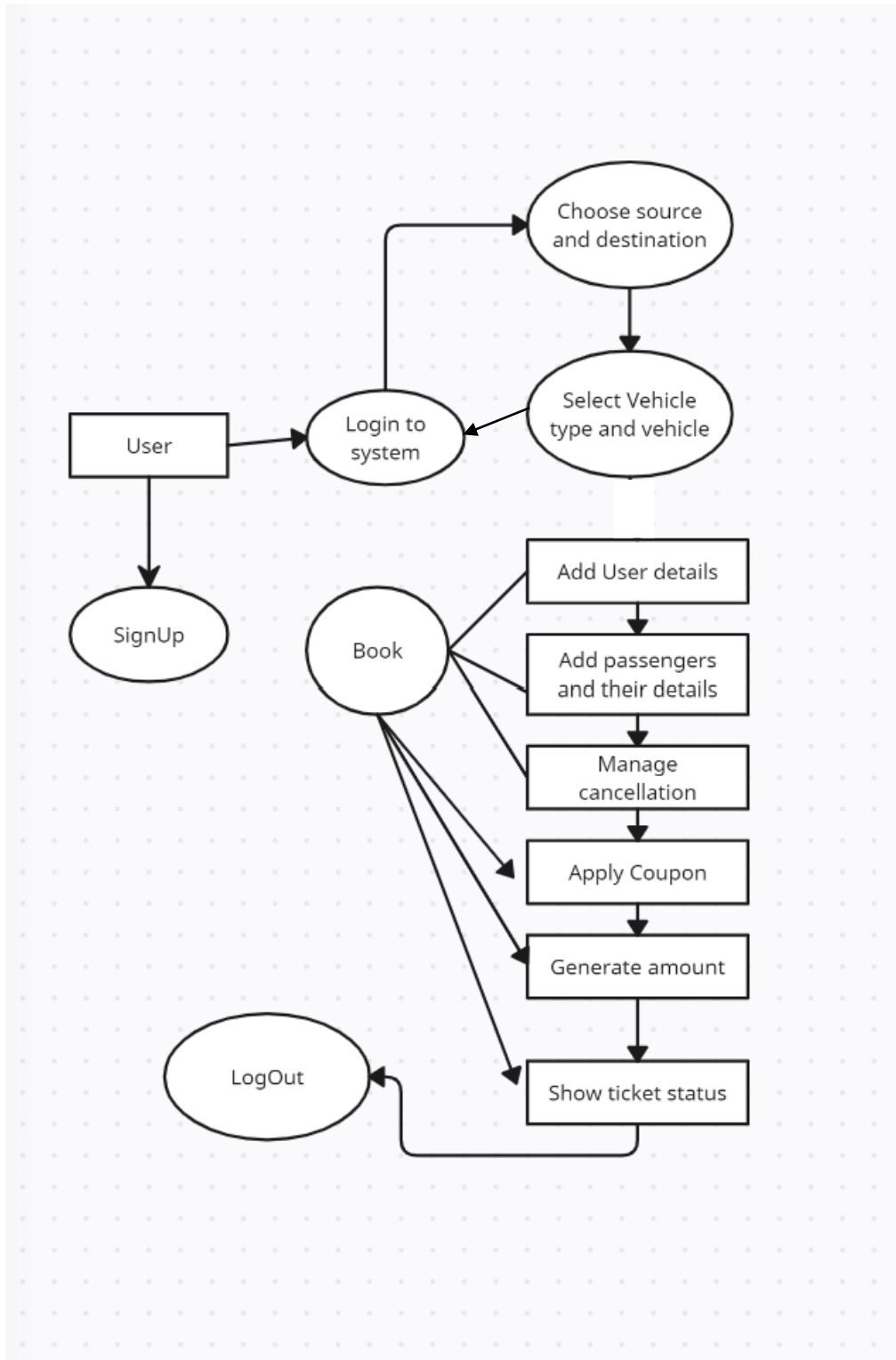
- I. Processor - Intel Processor
- II. RAM – 4GB

3. Software Requirements

- I. Web Browser - Google chrome
- II. Technology / Domain - Java
- III. Operating System - Windows 10/11
- IV. Scripting Languages / Front-end - HTML, CSS, JavaScript
- V. Database / Back-end - postgresql 42.5.0
- VI. Server-side - Servlet
- VII. Server used - Apache Tomcat server
- VIII. Workbench used - Eclipse IDE 2022-09

Data Flow Diagram

The second level of DFD contains details of Ticket, Passengers, Booking, Source and destination, Fare, Vehicle type, Cancellation of ticket.



TESTING

- 1> Some Security issues was happening like any one can go another page with out log in just enter the next page filename and successfully go to in another page, which was not good in the purpose of security, so resolving this bug we make a session object of user class and attach with it.

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- 2> For Updating data of user we connect the data base with jsp, so it will not updating users data immediately for solving this bugs we make another servlet file and uses different types of tags in our jsp file.

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- 3> For making more authentication in update jsp file we make another user class in which we user getter setter method to get and set the value of data.

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