**PROJECT REPORT**

**SOFTWARE**

**DESIGN TASK**

**HIMANSHU GUPTA**

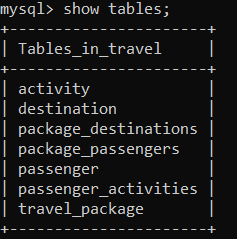
**The software is designed in Java with extensive use of MySQL and Object-Oriented Programming. The Java application interacts with JDBC API, which uses the JDBC Driver to connect to MySQL Database.**

**The software has been tested using the Junit 5 unit testing framework, which was integrated with Mockito. The classes and methods have been successfully tested, including the testing of void methods. The project is also backed by High-Level and Low-Level design.**

The description of all the tables as well as the task output has been discussed below:

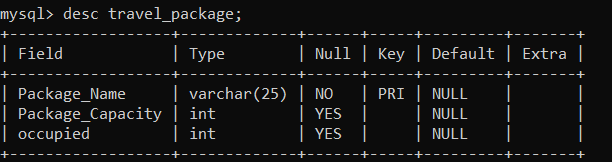
**Database Name: Travel**

**No. of tables: 7**

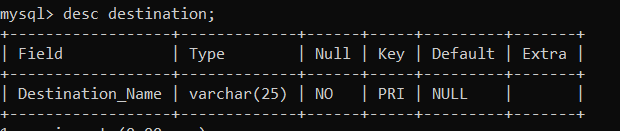


**Description of each table:**

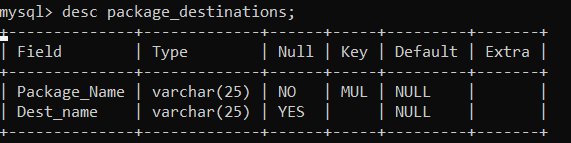
* **Travel Package table**



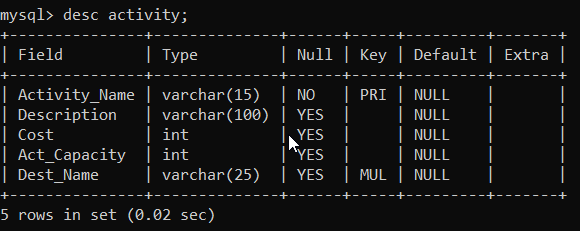
* **Destinations table**



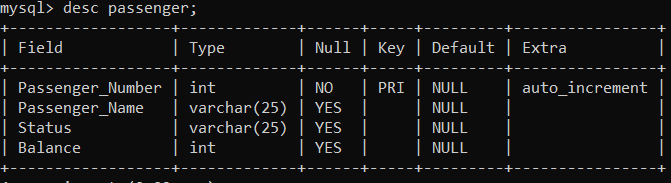
* **Package-Destinations table**



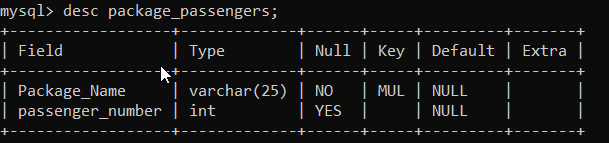
* **Activity table**



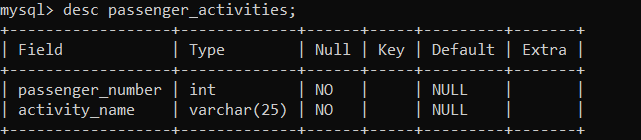
* **Passenger table**

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* **Package-Passengers table**

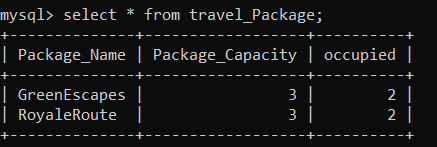


* **Passenger-Activities table**

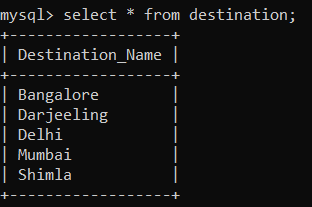


**Dummy Data in each table:**

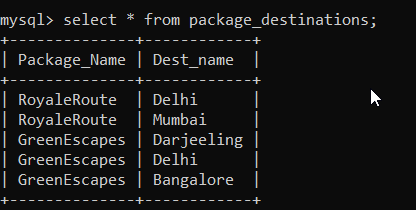
* **Travel Package table**



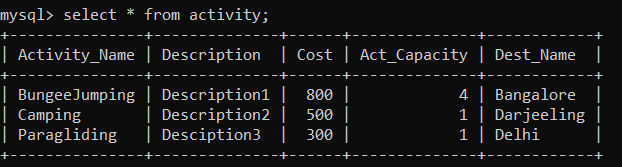
* **Destination table**



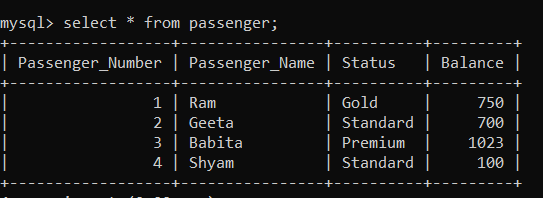
* **Package-Destinations table**



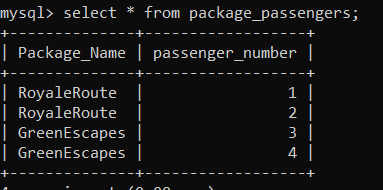
* **Activity table**



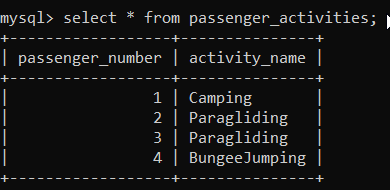
* **Passenger table**



* **Package-Passengers table**

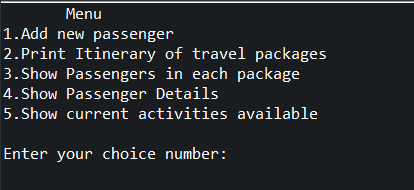


* **Passenger-Activities table**

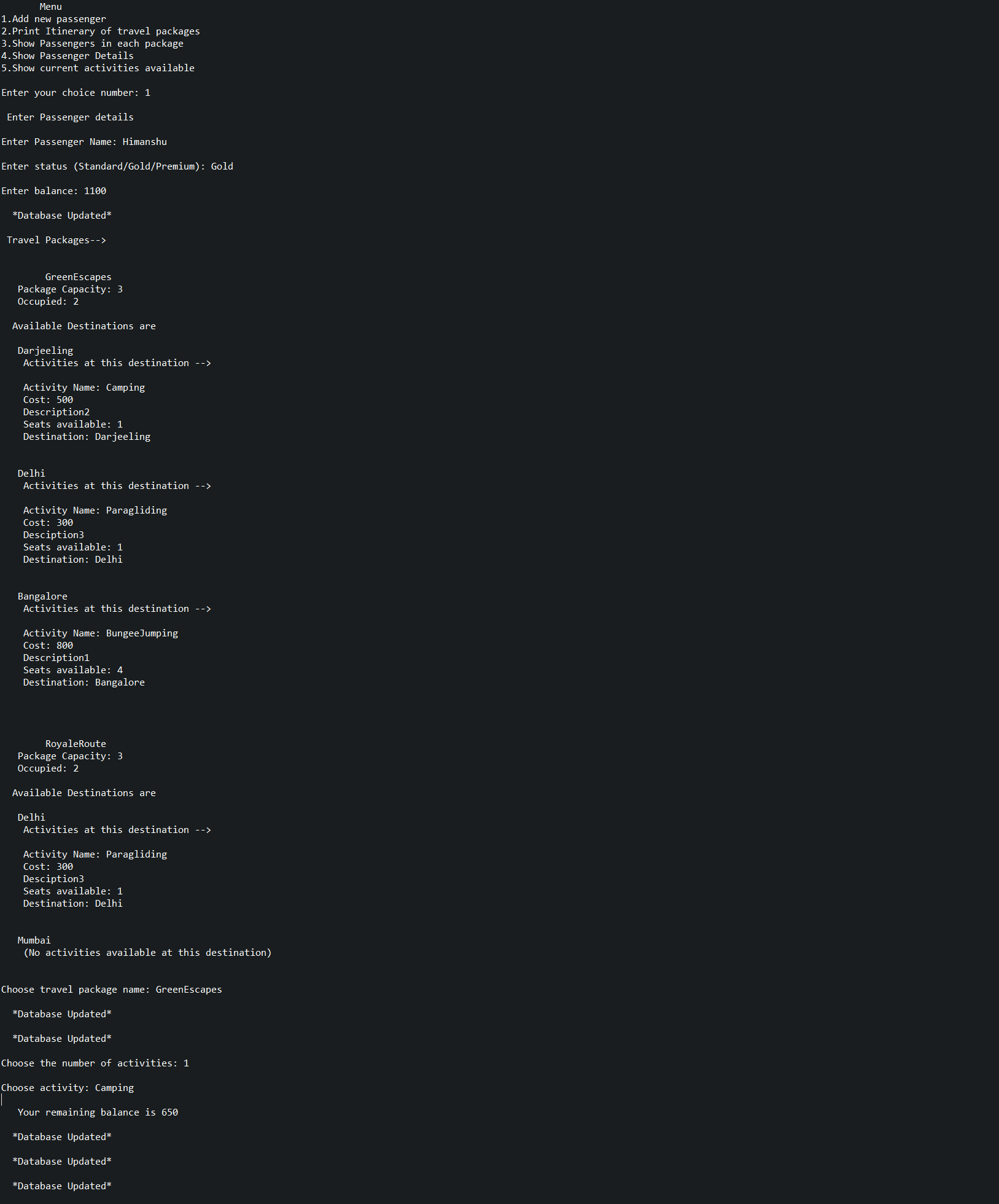


**PROJECT ILLUSTRATION**

**Menu:**

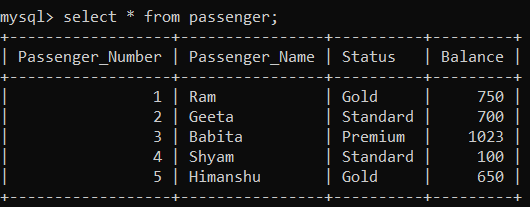


1. **Add New Passenger**

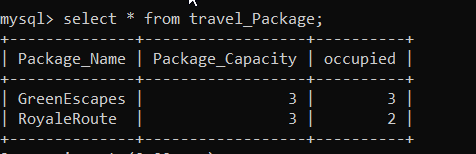


**Changes in database after addition of new passenger:**

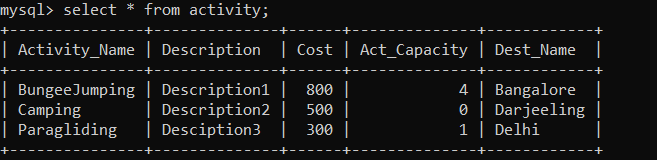
* **Passenger table**



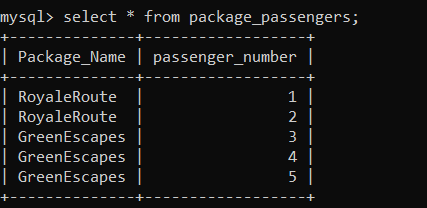
* **Travel Package table**



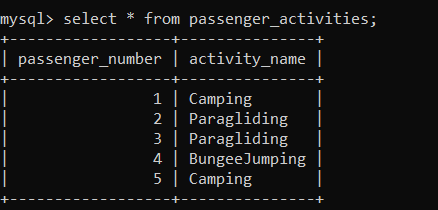
* **Activity table**



* **Package-Passengers table**



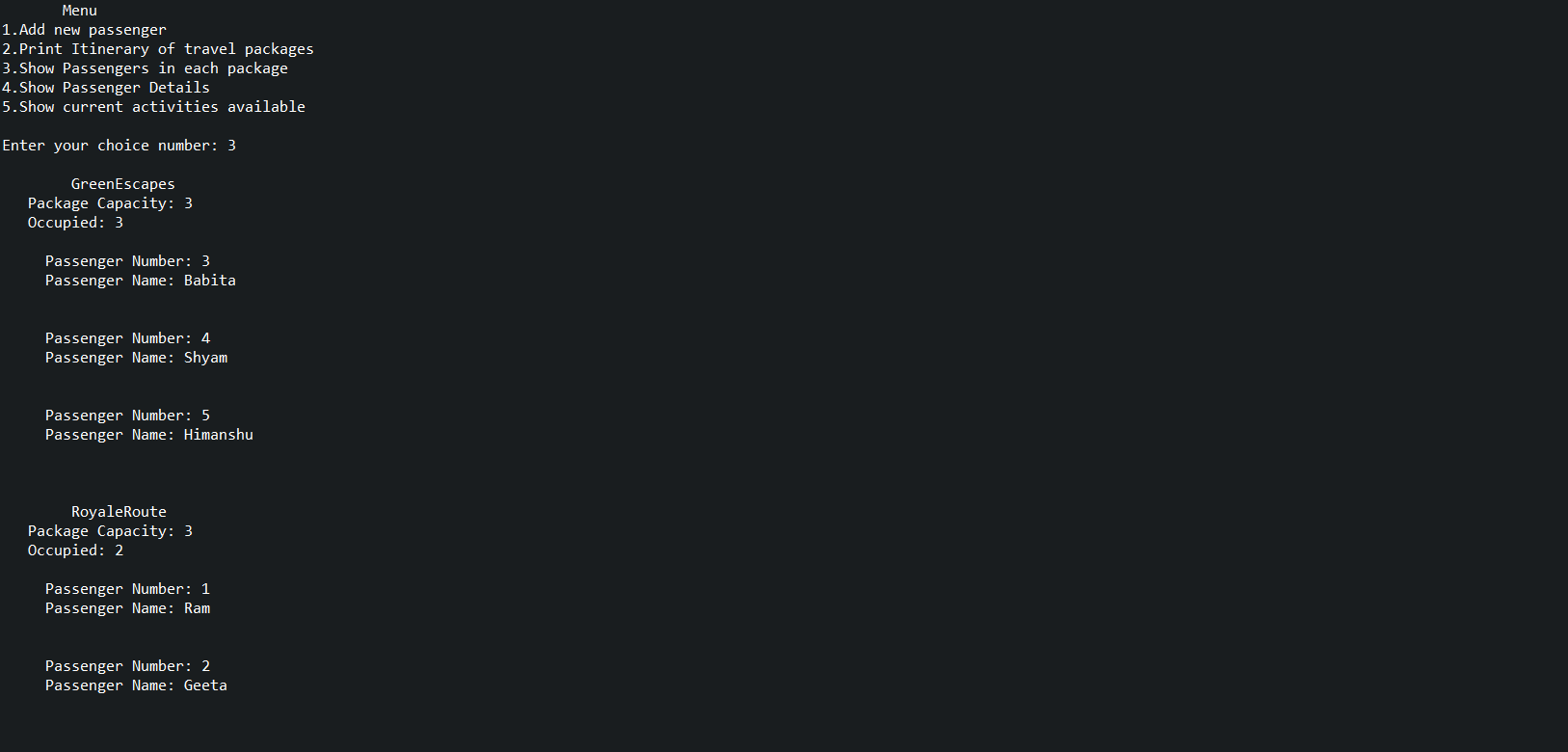
* **Passenger-Activities table**



1. **Print Itinerary of travel packages**



1. **Show passengers in each package**



1. **Show passenger details**



1. **Show current activities available**

