**Capabilities covered:**

* Analyze complex business scenarios and create a data model
* Use MySQL to build SQL engine for an application
* Use Java to implement business layer of your application
* Use Eclipse IDE for programming Java application
* Test, and Debug your application to make application ready for deployment
* Follow coding standard and maintain high quality by analyzing various reports generated through code quality tools
* Automate the build using Maven

**Problem statement: Generate Travel Report**

Use JDBC to generate the travel report, which provides details on passengers travelling from different sources to a particular destination. Your code should be able to retrieve records from database if business rules are satisfied, otherwise return empty value. Following is the sample content of table – **‘TravelBooking’**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BookingId** | **Source** | **Destination** | **VehicleType** | **PhoneNo** |
| 5001 | Mysore | Bangalore | L | 9740000000 |
| 5002 | Hyderabad | Bangalore | S | 9985000000 |
| 5003 | Vijayawada | Hyderabad | L | 9886000000 |

**Sample Input:** Bangalore

**Sample Report:**

BookingID Source

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5001 Mysore

5002 Hyderabad

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Check for the following business rules given below:

* + The destination name should only contain alphabets (lower case or upper case) and spaces. If this is not satisfied throw “InvalidDestinationName” exception
  + The destination name should not contain only spaces. If this is not satisfied throw “InvalidDestinationName” exception