9_Lab Exercise Instructions

In Workbench, create a database named: dbappdevf2asynchlastname

1.) Initialize a new SpringBoot project with the following metadata:

    Group: com.appdev.asynchclassf2

    Artifact: lastname

2.)Open application.properties file make sure to change the database name and login credentials of your database.

3.) Create 4 packages in this SpringBoot project namely:

       entity   repository   service   controller

4.) Consider this simple ER

    PASSENGER ---- FLIGHT

   Attributes for Passenger include id, firstname, lastname, bdate

   Attributes for Flight include flightid, originairport, destinationairport, flightdate, depttime, arrtime

   Create an entity class for each entity in the ER shown above. Also, create the repository interface, service and controller classes for the two entities in the ER.

Write the code for Insert Passenger/Flight Record (Post) and Display All Records for Student/Course (Get) using findAll method.

5.)   Run the project and check in Workbench if tables are created for all entity classes. Also, check if appropriate fields (in each table) are created as well.

6.)   Test the endpoints for display all and insert using postman.   For Insert a Record in Postman, do the following:

    POST request

    Choose Body -> Raw -> JSON format

    In the body of the request, follow this format to insert a record: ("firstname" : "value" --> enclose in "" if the data type is String)

```
{
  "name": "John Doe",
  "email": "john.doe@example.com",
  "age": 30
 }
```

Refer to this image in Postman view

HTTP **Untitled Request**

POST ⌄	Enter URL or paste text

Params   Authorization   Headers (8)   **Body** ●   Scripts   Tests   Settings

○ none   ○ form-data   ○ x-www-form-urlencoded   ● raw   ○ binary   ○ GraphQL   **JSON** ⌄

```
1  {
2      "name": "John Doe",
3      "email": "john.doe@example.com",
4      "age": 30
5  }
```