

9_Lab Exercise Instructions

In Workbench, create a database named: dbappdevg4asynchlastname

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

Group: com.appdev.asynchclassg4

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

