

CS393 - Homework (1)

Assignment Date : 10.11.2021

Deadline : 17.11.2021 11.00 PM

- This assessment must be done individually
- You can send your project via email (zip file) or send project's link (Google Drive or GitHub)

Homework Details:

- Create a SpringBoot project with Spring Data JPA and Spring Web dependencies
- Add other required dependencies (database, Spring Dev Tools etc). Please use a simple database (Derby, HSQLDB, H2DB, etc)
- Add model (domain) classes you see in the diagram. Be careful about relationship types (bidirectional/unidirectional)
 - Add ID attribute to all your classes. The value of your ID should be generated automatically.
 - The minimum number of attributes were added to the classes. You can also add other necessary attributes.
- Define all your classes as Entity. Add the required database mapping rules. Define table names, Column names and other attributes (length, nullable etc). Do not create unnecessary relationship tables.
- Create Spring Data JPA repositories for all model classes
- Create a Junit test class and test your configuration. Your test code should add records to all tables in the database. You should also develop some methods for getting data from database. Be careful about two-way relationships. You should make assignment both ways. Example:

```
shop.getProducts().add(product)
product.setShop(shop);
```

