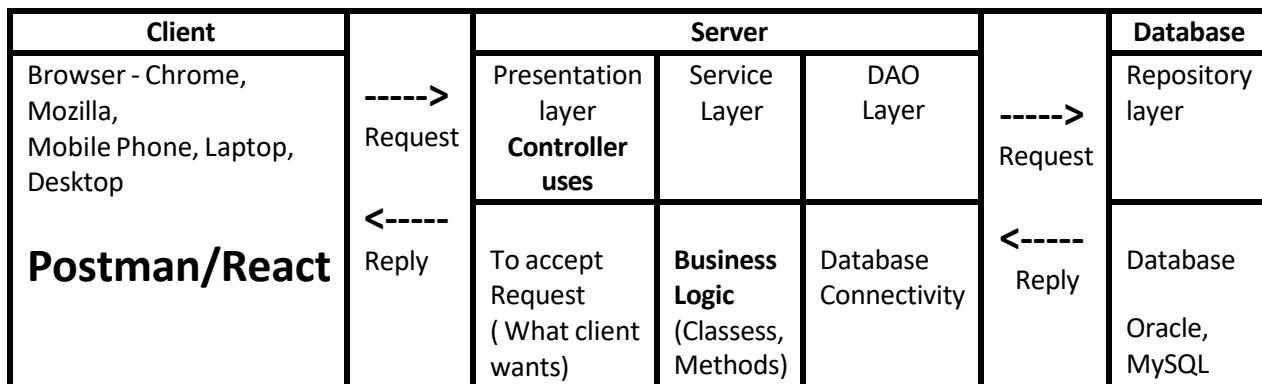


Experiment Number: 06

Title: Design and develop a responsive website for an online book store using REACT, Django/Springboot/Node JS/ PHP and MySQL/ MongoDB/Oracle having 1) Home Page2) Login Page 3) Catalogue Page: 4) Registration Page: (database)

Theory:

Understanding J2EE / Spring Boot Communication Client Server Architecture (Horizontal Slicing)



Spring allows you:

- Make a Java method execute in a database transaction without dealing with transaction APIs.
- Make a local Java method a remote procedure without having to deal with remote APIs.
- Make a local Java method a management operation without having to deal with JMX APIs.
- Make a local Java method a message handler without having to deal with JMS APIs.
- The Spring Framework Inversion of Control (IoC) component provides a formalized means of composing disparate components into a fully working application ready for use.

Procedure:

- Create a project using spring boot initialize website
- **Add Dependencies:** Spring Web.....MySQL Driver. Spring Data JPA
- **Click on:** Generate.....it will generate jar file in download folder
- Extract it
- Open it in ID
- Import - as a maven project
- Tick on ----- pom.xml
- It will update
- **Let us build controller : Controller for REST API** (REST - Representational State Transfer)
- **Create entity class**
- **Generate constructors, getters and setters for entity class**
- **Create interface class**
- **Create service class**
- **Database Connectivity: using JPA**
- **Extends it to JPA Repository:**

- Service Implementation:
- Use – React JS to create front end and axios for routing

Output:

The screenshot shows the homepage of the BookHaven website. At the top, there is a navigation bar with links for Home, Catalogue, Login, and Register. The main title "Welcome to BookHaven" is prominently displayed in a large blue font, with the subtitle "Your gateway to endless stories and knowledge" underneath it. A central call-to-action button labeled "Explore Our Collection" is visible. Below this, there are four promotional boxes: "Vast Collection" (Browse through thousands of books across all genres), "Top Rated" (Discover bestsellers and highly-rated books), "Easy Shopping" (Simple and secure checkout process), and "New Arrivals" (Stay updated with the latest releases). A large central call-to-action box encourages users to "Start Your Reading Journey Today" and "Join thousands of readers who trust BookHaven for their literary needs". It features two buttons: "Create Account" and "Browse Books".

BookHaven

Home Catalogue Login Register

Welcome to BookHaven

Your gateway to endless stories and knowledge

[Explore Our Collection](#)

Vast Collection
Browse through thousands of books across all genres

Top Rated
Discover bestsellers and highly-rated books

Easy Shopping
Simple and secure checkout process

New Arrivals
Stay updated with the latest releases

Start Your Reading Journey Today

Join thousands of readers who trust BookHaven for their literary needs

[Create Account](#) [Browse Books](#)



Create Account

Join BookHaven today

Full Name

Manasi

Email Address

mrmph756@gmail.com

Password

.....

Confirm Password

.....

Create Account

Already have an account? [Sign in here](#)

[Back to Home](#)



Welcome Back

Sign in to your BookHaven account

Email Address

mrmph756@gmail.com

Password

.....

Sign In

Don't have an account? [Register here](#)

[Back to Home](#)

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