

PROJECT DETAILS

PROJECT name - Phase 3 Full Stack Developer

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SPRINTS PLANNED AND TASKS ACHIEVED

Sprint Overview	
Sprints	
Sprint Number	Code Name
1	backend
2	testing
3	front end
4	testing

1	Tasks			
2	Task	Sprint	Status	Estimated Effect
3	Create POJO classes	1	Done	10
4	create DAO and implement them	1	Done	10
5	include hz database functionality	1	Done	8
6	test each table	2	Done	8
7	create a welcome page	3	Done	6
8	create more of the JSP pages	3	Done	12
9	make controllers for each function	3	Done	10
10	test the frontend	4	Done	8
11	polish the view	4	Done	8

ALGORITHM

1. ADMIN LOGIN

- Take credentials using JSP page.
- Pass the credentials to the controller.
- Controller calls the service.
- Service checks if the credentials are true
- If credentials are true show ADMIN PANEL
- Else show ADMIN LOGIN PAGE.

2. ADMIN PANEL

- Show the ADMIN PANEL JSP with hyperlinks to functionalities.
- On click to the hyperlink take it to the respective controller
- From the controller return the JSP page required.

3. ADMIN PASSWORD CHANGE

- .from the JSP page take required fields
- Authenticate if admin name and old password given is true using controller
- Controller will call service to update password

4. MANAGE PRODUCTS

- Show the ADMIN PANEL JSP with hyperlinks to functionalities.
- On click to the hyperlink take it to the respective controller
- From the controller return the JSP page required.

5. ADD PRODUCT, LIST PRODUCTS, UPDATE PRODUCT

- Using the hyperlink clicked go to the appropriate controller.
- If ADD PRODUCT is selected, controller will call product service to add product to product database
- If SHOW LIST is selected,controller will call product service to take product list product database and pass it to the JSP for displaying
- If update PRODUCT is selected, controller will call product service to update product to product database

6. ADD CATEGORY, LIST CATEGORIES, UPDATE CATEGORY

- Using the hyperlink clicked go to the appropriate controller.
- If ADD CATEGORY is selected, controller will call category service to add category to category database
- If SHOW LIST is selected,controller will call category service to take category list category database and pass it to the JSP for displaying
- If update CATEGORY is selected, controller will call category service to update category to category database

7. USER LIST

- If USER LIST is selected,controller will call user service to take user list user database and pass it to the JSP for displaying

8. USER LOGIN

- Take credentials using JSP page.
- Pass the credentials to the controller.
- Controller calls the service.
- Service checks if the credentials are true
- If credentials are true show PRODUCTPANEL
- Else show USERLOGIN PAGE.

9. USER REGISTER

- from the JSP page take required fields
- The controller will take the parameters and pass to the user service
- The user service will add the new user to the database if the user is not present already.

10. **PRODUCT DISPLAY**

- JSP asks parameters from the product controller and uses it to display the product information.
- An image hyperlink is provided to redirect to the cart.

11. **CART**

- The details of the selected products are displayed with a hyperlink to buy.
- If buy is clicked then add the product to the cart database and proceed to the homepage.

TECHNOLOGIES USED

1. Spring boot
2. Maven
3. H2 database
4. Core java
5. JSP
6. Spring data JPA
7. JDK
8. JSTL library

LINK OF GITHUB REPOSITORY

https://github.com/Rohithvv98/RohithVV_Phase3_FSD_Simplilearn.git

CONCLUSION

1. ENHANCING THE APPLICATION : more dynamism can be added to the page using style sheets and make it more interesting to view at.
2. UNIQUE SELLING POINT(s) :user friendly interface