

13/01/2025

Name of the Project - FlavourHub

Flavour Hub is a cloud kitchen web application designed to streamline online food ordering and kitchen management. It enables restaurants, chefs and home-based cooks to efficiently manage menus, process orders and track deliveries - all from a single platform. With seamless integration for payment gateways, real-time order tracking, and analytics, FlavourHub enhances customer experience while optimizing kitchen operations.

System setup:

1. Installation & setup of database (MySQL/ PostgreSQL)
2. Installation & setup of Java, JDK
3. Installation & system checking of VS code.

14/01/25

- Issue solving of Vs code.
- Environment setting of MySQL.
- Installation of Springboot in Vs code extension
- Basic Idea about springboot.
- Demostation on springboot project.
- Creating zip folder on flavourhub, extraction of file
- Creating home.html on template folder.
- Creating css file on static folder

Designing of Project:

15/01/25

The Landing page :

The landing page serves as the first point of interaction for users.

- Hero Section : Include a large, eye-catching image of delicious food with a captivating headline.
- Navigation Bar : Added a responsive navigation bar with links to key section such as Home, Menu, About us, Contact and Login / Signup.

Designing of Landing page

16/01/25

- Applied a consistent color palette reflecting a food-centric theme.
- Responsive Design:

Ensured the landing page is responsive adapting .

- Footer: Included contact information, social media links and quick navigation option.

Designing Landing page

17/01/25

- Added concise and engaging content section highlighting the platform's key features such as explore food, popular food , category etc.
- Used HTML & CSS and added Javascript for interactive elements such as smooth scrolling and hover effect .

Designing of PLP

18/01/25

- Worked on designing the Product Listing Page (PLP) for the Flavour-Hub webapplication. which include
 - Headers and Navigation :
Added a consistent header with the Flavour Hub logo , a search bar and navigation links .

Designing of PLP

19/01/25

- Displayed food items in a responsive grid format , with each product card showing the image , name , price and add to cart button.
- Ensured uniform spacing and alignment using css grid /flexbox.

Suresh
20/01/25

Designing of PDP

20/01/25

Worked on designing the Product Detail Page (PDP) for the Flavour-Hub web application.

To display detailed information about a selected food item, providing users with essential details to make informed purchasing decision which include :

→ Headers and Navigation.

- Displayed a high-resolution image of the food item with the option to view multiple image in a carousel format.

Redesigning of PDP Page

21/01/25

- Added key details including Product name, price, Description, Rating & Review.
- Added an add to cart button with a quantity selector, allowing user to specify the number of items they want to order.
- Included a visual confirmation message when an item is added to the cart.

Admin Dashboard Design

22/01/25

- Worked on designing the Admin Dashboard for the Flavour Hub web application.

It includes

- Added a fixed sidebar menu with link to homepage, orders, customers, categories, products, widget and logout link.
- Applied icons and hover effect to enhance user experience (UX).

Admin Dashboard Design

23/01/25

- Worked on Dashboard Overview section.

→ Displayed key metrics

Total Order

Complete Order

Order on process

Pending Order

Cancelled Order

- Worked on Order Management section.

Admin Dashboard Design

24/01/25

- Worked on Category design page.
- Applied product page and customer page.

Admin Dashboard Design

25/01/25

- Worked on overall design of admin dashboard which include search button, navigation bar.
- Added icons and hover effect.

Git & GitHub

26/01/25

- Installation & Download of Git and GitHub
- How to push code to GitHub
- Gitpull & Git push commands to git & GitHub
- Other features including creating new branch and issue new ticket etc.

Summary
27.01.25

Creation of controller Page 27/01/25

- Worked on developing the Controller layer for the Flavour hub web application.
- The controller handles user request processes them and return appropriate response.
- Created Controller classes.

Admin Controller

User Controller

Product controller

Order Controller

Menu controller

Payment controller

Delivery controller

Controller class

28/01/25

- Used http methods appropriately like
 - GET (Retrieve data)
 - POST (Add new data)
 - PUT (Update existing data)
 - DELETE (Remove data)

Controller class

29/01/25

- Implemented input validation using Springboot's @Valid annotation to prevent incorrect data submission.
- Spring MVC is used ;
- Java for backend logic implement

Entity class

30/01/25

- Worked on developing the Entity layer for the Flavour Hub web application.
- The entity class represent database tables and map the data to java objects, enabling smooth interaction with MySQL database through JPA.

Entity class

31/01/25

- Developed separate entity classes like category entity, product entity, delivery, Order, OrderItem, Payment, user, widget entity class.

01/02/25

- Created Auditable entity class which extends to other classes.
- The getter, setter methods used.

Entity class

03/02/25

→ Utilized JPA annotations for table mapping

- `@Entity` → specifies the class as a JPA entity
- `@Table(name = "table-name")`
Maps the class to the corresponding table in the database.
- `@Id`, `@GeneratedValue`, `@Column` etc.

04/02/25

- Added validation annotation to ensure data integrity:
 - @NotNull
 - @Size
 - @Email

Sneha

05.02.25

Creating Repositories

05/02/25

Worked on developing the Repository layer for the Flavour Hub web application.

- developed separate Repository for key entities
- Product Repository
 - Category Repository
 - Widget Repository
 - User Repository

06/02/25

- Used Spring Data JPA to extend the JpaRepository interface, providing built-in methods like
 - findAll()
 - findById();
 - save(entity);
 - deleteBy();

07/02/25

- Added custom query methods to fetch specific data efficiently
 - findByCategory
 - findByStatus etc.
- Used Springboot JPA for ORM.

08/02/25

- Worked on enum class
- Created DeliveryStatus, OrderStatus, PaymentMethod, PaymentStatus, UserRole, WidgetStatus classes for enum.

09/02/25

- worked on ProductController class to fetch the page, using getmapping.

10/02/25

- Created admin order page which include all the information like orderid, customer name, address etc.
- Created Customer page under admin dashboard.

11/02/25

- Worked on database table in MySQL.
- Inserted values to the database

Smaruti

12.02.25

12/02/25

- Worked on CSS of admin dashboard.
- Overall space adjustment and other design.

13/02/25

- Learn about Entity Entity Relationship
- Collection interface and about list like ArrayList, LinkedList, vector, stack etc.

14/02/25

- Learn on JDBC connection which include http-request, dispatcherServlet / front controller, handler-mapper, controllers, view resolver etc.

15/02/25

- Learn & implement fragment on admin dashboard.
- Created a fragment file of html & css which can include all common codes which can be reuse in other html file.

16/02/25

- Merge the code in the git hub
- The conflict occur and resolve the conflict.

17/02/25

- Learn about UUID Universally Unique Identifier, which are 128-bit labels used to uniquely identify objects in computer systems.
- Implement it on entity class as @GeneratedValue (Strategy = UUID).

18 / 02/25

→ Worked on data-table of category, food-item page along with its backend. using post mapping and get mapping

Smaruti
19.02.25

19/02/25

→ Worked on category page and product page

→ Using thymleaf springboot dependency, it's render the data.

20/02/25

Completed the admin category page and product page design.

Worked on its datatable.

21/02/25

→ Implemented CRUD operations (Create, Read, Update, Delete) to manage categories and products. allowing seamless interaction with the MySQL database.

22/02/25

→ Utilized Thymeleaf template engine for rendering dynamic HTML content & displaying real-time data from the backend.

23/02/25

→ Create new ticket and new branch through github.

→ Merge the existing code to the master branch.

24/02/25

→ Developed dynamic data tables on the category and product page of the web application using Spring Boot & Thymeleaf.

→ Utilized Hibernate ORM (Object-Relational mapping) to interact with MySQL database.

25/02/25

→ Integrated custom search and filter options, enabling user to easily locate specific categories and products.

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25.02.25

26/02/25

- Ensured data consistency and integrity using Hibernate's cascading operation and validation annotation.
- Worked on CSS of admin dashboard.

27/02/25

- Created widget table.
- Learned about spring boot security.
- Implemented it using JWT token.

28/02/25

- Integrated Spring Boot security to protect the widget, category, product, ensuring controlled access based on user roles and permission.
- Applied role-based authentication & authorization, restricting access to sensitive operations to authorized users only.

01/03/25

- Used BCrypt password encoding to securely store & verify user credentials.
- Added custom login and logout functionality with proper session handling.

02/03/25

→ Ensured CSRF (Cross-site Request Forgery) protection by enabling CSRF tokens in forms.

03/03/25

→ Created config folder and security config class under it.
where used @Bean,
BCryptPasswordEncoder (12)
which will convert the password to hash form.

04/03/25

- Developed the `UserService` class as part of FlavourWeb application using SpringBoot handling business logic related to user operations.
- Implemented dependency injection with `@Autowired` to integrate the `UserRepository` for seamless interaction with MySQL Database.

Sneha
05.03.25

05/03/25

- Added the `getUser(String email)` method to fetch the entire user entity → providing detailed user information.
- Applied exception handling using `onElseThrow()`.

06/03/25

- worked on upload-image.
- created a folder upload-image in the explorer.
- put it on git-ignore.
- Upload-images ~~from~~^{to} the category and product page.

07/03/25

- Created place order page which will confirm the order placed successfully.
- link it to the place order button in add to cart page.

08/03/25

- Completed place order page design and link.
- Worked on overall admin dashboard design page.

09/03/25

- Worked on search button.
- Used JPA Repository <FoodItem, strings to leverage built-in-CRUD operation and simplify database interaction.

10/03/25

- Implemented the `findByFoodName` containing `IgnoreCase` case (`String foodName`) method to perform case-insensitive search for Food items by name.
- Used Spring Data JPA's method naming conventions to automatically generate query implementations, reducing the need for custom SQL queries.

11/03/25

- Worked on backend of widget page and data table.

Srikar

12.03.25

12/03/25

- Created widget entity class.
- Link it to the database
- Worked on login & signup errors and fix it.

13/02/25

- Created widget repository.

Render data from database to
front end.

14/02/25

- Created widget list from end page.
- Create csv file of widget list which have product id and widget id.

15/02/25

- On Admin dashboard render the dynamic data from the database and show it on frontend.

16/02/25

- Worked on spring security.
- Applied javascript in the front-end for enhanced design.
- Worked on CSS of widget page under admin dashboard.

17/02/25

- Space adjustment and overall design of widget front end and widget list page.
- Add modal to the widget Java html page to show widget list page.

18/02/25

- Created dtoRepository under Repository folder to extend JpaRepository.
- Worked on backend of widget and widget edit page

Sriram
1d.03.25

19/02/25

- Created edit and delete button on category and product page under admin dashboard.
- Worked on delete button.

20/03/25

→ Created edit and delete button on product page.

→ Created dto repository under repository folder.

21/03/25

→ Worked on backend of edit and delete.

→ Merge code to the github.

→ Worked on entity class & security of Product page.

22/03/25

→ Worked on overall edit & delete button.

→ Fix the errors.

→ Completion of all design & backend of admin dashboard.

Smart

22.03.25