

Project Brief

Bake My Cake





Objectives

- Work on summative evaluation of all concepts, knowledge, and skills learned in the Frontend courses.
- Apply clean coding, standards, and guidelines to demonstrate the project.
- Present the project to the different stakeholders.

Bake My Cake

- Cakes, cookies, and brownies are all-time favorites for young and old. No celebration is complete without these delicacies.
- The cake shops have started offering options to the customers to bake cakes as per their needs.
- In addition, taking advantage of the widely used digital platform, the cake outlets offer options to customers to place their orders online.
- This is a win-win situation for both the outlet and its customers.
- The outlets can reach a larger audience, and the customers can enjoy the delicacies prepared by the popular outlet, served at their doorstep.



Bake My Cake – Problem Statement

- Develop a single page application using Angular – Bake My Cake, that allows customers to make an online request for cakes, cookies, or brownies of their choice.
- The delicacies are displayed with attractive images and crisp details, allowing the users to select the item of their choice and provide the order details.
 - The app should seek confirmation from the users before allowing them to navigate away from the order view without submitting the details.
- The app can search and filter the items by the user's preference for a quick selection.
- The site administrator can view the incoming order requests.
 - The app should redirect user to first validate his identity as site administrator before providing access to the order request view.

Task 1: Design Landing View

- The landing view of the app must display the images of cakes, cookies, and brownies.
 - The data must be fetched using json-server.
 - This view must be the default view.
- These items should be selectable by the user.
 - Upon selection, the user should be navigated to the order view.
- The landing view must also allow users to search / filter these items by their preference.
 - Search allows user to search by item name.
 - Filtering allows user to filter items by category.

Task 2: Design Order View

- The user will be navigated to the order view once he selects the item on the landing view.
- The view should display the details of the item selected.
- This view should also allow users to provide the details required for placing order for the selected item.
 - The details should include the item details as well as the customer details.
- The details should be persisted, and the customer should be acknowledged after the order is successfully placed.
- The app will request confirmation from the user to leave the view, if the user attempts to navigate away from this view without submitting the request.

Task 3: Design Login View

- The user should be navigated to the login view if he attempts navigation to the cart-requests view.
- The view should request the user to enter the security code to login as Administrator.
- Upon successful validation, the user should be navigated to the cake-requests view.

Task 4: Design Cake-Requests View

- This view will display all the cake order requests received in tabular format.
- This view has restricted access and is accessible only to the site administrator.

Project Development Approach

Requirement Analysis and Design

- Identify the requirements for the tasks mentioned above.
- Identify components, services, and route paths that are required in the application
- Design data models for the SPA.
- Identify the relationship between components and determine the flow of data between these components.

Design Implementation

- Create components
- Design types for data models identified.
- Create services
- Define routes
- Identify routes with guards
- Make app functional
- Style the app
- Implement persistence using json-server.
- Make design responsive.

The Code Walk-through, Refactoring, and Mock Presentation

- After completing the coding, a complete code review must be done along with the reviewer.
- Refactor the changes according to the feedback given.
- Prepare a presentation to be done on the final day of the project.
- A mock project presentation is a simulation of a final project presentation to train in and improve on. Provide a mock presentation to the reviewer.

On the Day of the Presentation

Remember these points during your presentation:

- Always face your audience. Your voice should be loud enough for the audience to listen to you.
- Script and memorize your speech properly.
- Be confident while explaining the working of the project.
- You can use a complete flow of your application in a diagrammatic format during the presentation.
- Answer the questions asked by the audience slowly and confidently.

Capstone Project Plan

Milestones	Milestone 1	Milestone 2	Milestone 3	Milestone 4
Deliverables	Requirement Analysis and Design	Application Development	Code Walkthrough, Refactor, And Mock Presentation	Final Presentation
Deliverable Details	Understand the requirements of the application and design the structure of the single-page application	Develop the solution code for SPA	Review and refactor the code based on reviewer feedback	Presentation and demonstration of the project