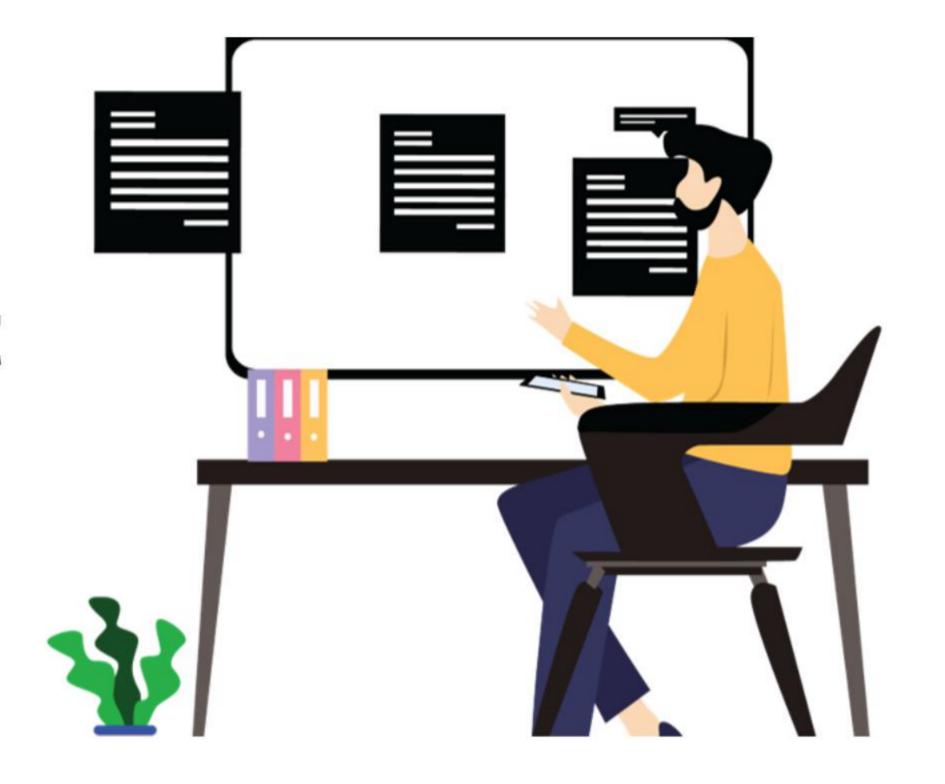
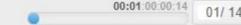
Project Statement Bake My Cake









Points to Remember

- Use Angular for developing SPA solution for Bake My Cake project.
- Follow the design principles for identifying components and services for the project
 - DRY Do not Repeat Yourself Principle
 - SRP Single Responsibility Principle
- Use @Input() and @Output() decorators to share data between the components having parent-child relationship
- Create Angular Services for developing reusable application logic.
- Use HttpClient for making server requests.
- Use appropriate life cycle method of component for fetching data from server and reading route data.
- Use Angular Material components, themes and schematics for styling components.
- Use Template-driven forms for designing interactive views.
- Use Angular router for enabling navigation in the application and Route Guards to protect routes with restricted access.

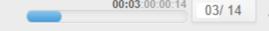




Bake My Cake – Problem Statement

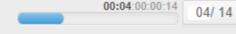
- Develop a single page application using Angular Bake My Cake, that allows customers to make an online request for cakes, cookies, or brownies of their choice.
- The delicacies are displayed with attractive images and crisp details, allowing the users to select the item of their choice and provide the 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.





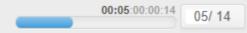
Task 1 – Design Landing View

- 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 with the order being placed.



Task 3 – Design Login View

- The user will 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

- The user will 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.



Instructions for Project

- Click here for the boilerplate.
- Read the README.md file in the boilerplate for further instructions about the challenge.
- Fork the boilerplate into your own workspace.
- Clone the forked boilerplate into your local system.
- The boilerplate contains images of cakes, cookies and brownies.
- Copy the images in the solution code and use them in the project.
- Create Angular application and develop the solution for the requirements specified.
- Test the outcome and ensure it fulfills the stated requirements.





Evaluation Rubrics

	Submission Status (Completed/ Incomplete)		Requirement Analysis and Design			Implementation				Code Quality			Remarks					
Participant Name		order view	login vi ew	cake-		Definitions		Services	Conventions	-	_	Form Validations	s Handling	Function al Complete ness	Indented			
	5	5	5	5	10	5	5	5	5	5	5	5	5	15	5	5	5	







Understanding Evaluation Rubrics - Submission Status

	Submission Status (Completed / Incomplete)										
		Design Order View			Design Login View		Design Cake- Requests View				
Display data	Landing View	Item selection	Search and	Prevent	Displays	Accepts	Persist	Capture	Navigate to	Provide	Should be
fetched	is	navigates to Order	Filter item by	navigation	details of item	inputs from	order	Admin code	Cake-Requests	cake order	navigable
from server	the default	view	name and	away for non-	selected on	the user to	details	and validate it	view for the	requests	only if the
	view		category	submitted	landing view	place order			valid admin	received in	user is
				order request					code	tabular	admin
										format	
1	1	1	1	1	2	1	2	3	2	3	2
	5					5			5	5	







Understanding Evaluation Rubrics - Requirement Analysis and Design

	Requirement Analysis and Design									
Component Hierarchy		Route Definitions						a Models	Services	
Responsibility Principle is				card route	protect route with restricted	guards to	model for Cake items	model for Orders	service for managing server requests for	Define service for managing server requests for order data
5 1	5	1	1	5	1	1	3	5	3	2





Understanding Evaluation Rubrics - Implementation

Implementation										
Using Angular Material	Responsive Design	Form Validations	Error Handling	Functional Completeness						
- Usage of Angular Material components consistently - Usage of Angular Material theme	- Create responsive UI - Using CSS flex properties for custom styles - Design is responsive for small, medium and large width devices	- Required field validation - Email validation - Phone no validation - Date validation - Range validation	- Handling server error - Handling invalid route URL error	- Search functionality - Filter functionality - Display items with uniform sizes - Route configurations - Order submission with notification						
5	5	5	5	15						





Understanding Evaluation Rubrics – Code Quality

Code Quality											
Naming Conventions	Well-Indented Code	Adequately Commented Code	Non-Existence of unused variables								
- Variable names in lower case - Constant names in upper case - Class names in upper camel case - method names in lower camel case - file names in lower case	- Code should be readable - Brackets should be correctly aligned - Lengthy code statements should be split in multiple lines	- Comments to describe purpose of user defined methods - Comments to provide clarity for a lengthy complex method logic	- All unused variables, methods, files must be deleted								
5	5	5	5								



