Angular 18 Practical Assignment (PART - II)

Scenario: A parent dashboard passes user profile data to a child component

1. Use @Input() to pass user data to child component

8. Handle API error and show user-friendly message

Scenario: Show an alert if the API fails when loading user data.

	showing profile summary.
2.	Emit data from child to parent using @Output() Scenario: A child rating component sends the selected star rating to the parent product component.
3.	Create a simple login form with validation Scenario: An e-commerce site requires email/password validation for user login.
4.	Add a route with parameters like /product/:id Scenario: Clicking a product takes users to /product/123 to see the product details.
5.	Fetch parameter value using ActivatedRoute Scenario: Use the product ID in the URL to fetch details from an API.
6.	Load user data from a mock JSON file Scenario: Display a user list from a local JSON file during development.
7.	Display API data using HttpClient Scenario: Fetch and show blog posts from a REST API.

J.	Create a shared module for reusable components
	Scenario: Centralize commonly used buttons, modals, and cards in one
	module.
10.	. Add a loading spinner while fetching data
	Scenario: Show a spinner while waiting for API results in a dashboard.
11.	. Use environment.ts for API URLs
	Scenario: Switch between development and production API URLs using environment files.
12.	. Create a ProductCard component and reuse it in a product list
	Scenario: Show products using the same styled card across the site.
13.	. Apply custom validators in reactive forms
	Scenario: Validate that a password has a special character and a number.
14.	. Add form control dynamically in a form
	Scenario: Add extra phone number fields when the user clicks "Add more."
15.	. Write a custom pipe to reverse a string
	Scenario: Display names or codes in reverse for visual effects or debugging.
16	Store user login data in localStorage
10.	Scenario: Keep a user logged in even after a page refresh.
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17.	. Implement CanActivate route guard
	Scenario: Prevent non-logged-in users from accessing the admin dashboard.
	Create a CidabarCarananant and abarr/hida based an assass size
18.	. Create a SidebarComponent and show/hide based on screen size

- 19. Create a tab switcher using nglf and ngClass
 Scenario: Switch between Product Info, Reviews, and Specs on a product page.
 20. Add HttpInterceptor for setting auth headers
 Scenario: Automatically attach JWT tokens to every outgoing API request.
- 21. Lazy-load AdminModule using Angular routing

 Scenario: Load admin panel code only when admin logs in.
- 22. Add pagination to a list fetched from API

 Scenario: Show 10 users per page with Next/Previous buttons.
- 23. Sort and filter a list of items using pipes

 Scenario: Filter a product list by category and sort by price.
- 24. Upload an image and preview before submission

 Scenario: Allow users to preview their profile picture before uploading.
- 25. Use FormBuilder to build form dynamically Scenario: Use FormBuilder to generate a complex job application form quickly.