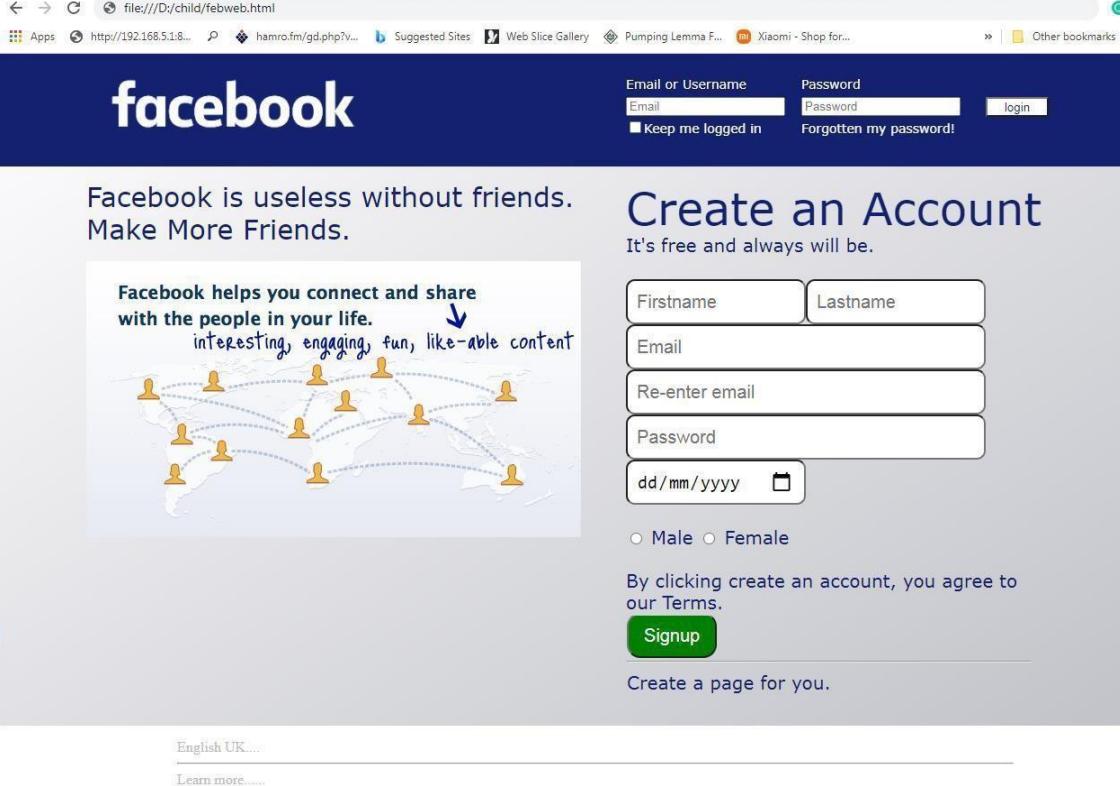


## WADL Problem Statements:

Sr. No .	Problem Statements																				
1	<p>Develop a <b>responsive product catalog webpage</b> using <b>HTML, CSS, and JavaScript</b>. The webpage should display products in a <b>table format</b> with images and implement <b>pagination</b> if there are more than 10 products.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; padding: 5px;"><b>Product Image</b></th> <th style="text-align: center; padding: 5px;"><b>Product Name</b></th> <th style="text-align: center; padding: 5px;"><b>Price (INR ₹)</b></th> <th style="text-align: center; padding: 5px;"><b>Description</b></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;"></td><td style="text-align: center; padding: 5px;">Wireless Headphones</td><td style="text-align: center; padding: 5px;">₹7,999</td><td style="text-align: center; padding: 5px;">Noise-cancelling over-ear headphones.</td></tr> <tr> <td style="text-align: center; padding: 5px;"></td><td style="text-align: center; padding: 5px;">Smartwatch</td><td style="text-align: center; padding: 5px;">₹12,999</td><td style="text-align: center; padding: 5px;">Fitness tracking smartwatch.</td></tr> <tr> <td style="text-align: center; padding: 5px;"></td><td style="text-align: center; padding: 5px;">Gaming Mouse</td><td style="text-align: center; padding: 5px;">₹2,499</td><td style="text-align: center; padding: 5px;">Ergonomic gaming mouse.</td></tr> <tr> <td style="text-align: center; padding: 5px;"></td><td style="text-align: center; padding: 5px;">Laptop Stand</td><td style="text-align: center; padding: 5px;">₹1,999</td><td style="text-align: center; padding: 5px;">Adjustable aluminium stand.</td></tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;"> <span style="font-size: 2em; color: #007bff;">○</span> <b>Pagination Controls:</b>  <span style="color: #007bff; font-size: 1.2em;">←</span> Previous   <b>Page 1 of 2</b>   Next <span style="color: #007bff; font-size: 1.2em;">→</span> </p>	<b>Product Image</b>	<b>Product Name</b>	<b>Price (INR ₹)</b>	<b>Description</b>		Wireless Headphones	₹7,999	Noise-cancelling over-ear headphones.		Smartwatch	₹12,999	Fitness tracking smartwatch.		Gaming Mouse	₹2,499	Ergonomic gaming mouse.		Laptop Stand	₹1,999	Adjustable aluminium stand.
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2	<p>Create a <b>personal portfolio webpage</b> using <b>HTML and CSS</b>. The webpage should showcase personal details, skills, projects, educational details, and contact information.</p>																				
3	<p>Design a <b>restaurant menu webpage</b> using <b>HTML and CSS</b>, including menu categories, dishes, and pricing.</p> <p style="text-align: center;"><b>Content</b></p> <p style="text-align: center;">"ABC Delights - Restaurant Menu"</p> <p style="text-align: center;">Welcome to ABC Delights</p> <p style="text-align: center;">Restaurant introduction, chef's message, and food quality assurance.</p>																				

	<p>Top dishes ranked based on popularity (e.g., 1. Paneer Tikka, 2. Biryani)</p> <p>Available cuisines (e.g., - Italian, - Indian, - Chinese)</p> <p><b>Menu table with Dish Name, Description, Price (INR ₹)</b></p> <p>Add suitable images for the Dish</p>
4	<p>Develop a webpage for an <b>online course listing</b> using <b>HTML and CSS</b>, showcasing available courses and their details.</p> <p><b>Content</b></p> <p>"Online Learning Hub - Courses"</p> <p>Welcome to Online Learning Hub</p> <p>Introduction to online learning, benefits, and course offerings.</p> <p>Step-by-step learning paths (e.g., 1. Beginner, 2. Intermediate, 3. Advanced)</p> <p>Course categories (e.g., - AI &amp; ML, - Data Science, - Web Development)</p> <p><b>Course table with Course Name, Instructor, Duration, Fee (INR ₹)</b></p>
5	<p>Create an <b>e-commerce product listing page</b> using <b>Bootstrap</b>. The page should feature a <b>grid layout</b> with <b>Bootstrap cards</b> for product display and implement <b>category filters</b> using Bootstrap's <b>dropdown</b>. The page should be <b>fully responsive</b> for different screen sizes.</p>

	<p><b>Mugs</b></p> <p>Mugs and glasses sell great as gifts for friends and loved ones on special occasions. Choose from many different sizes and styles to sell online.</p> <p>Sort by Popularity</p> <p><b>Target Market</b> <span style="border: 1px solid green; padding: 2px;">New</span></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> USA</li> <li><input type="checkbox"/> Canada</li> <li><input type="checkbox"/> United Kingdom</li> <li><input type="checkbox"/> Europe</li> <li><input type="checkbox"/> Australia/NZ</li> <li><input type="checkbox"/> China</li> <li><input type="checkbox"/> Other</li> </ul> <p><b>Print area</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> All areas</li> <li><input type="checkbox"/> All over print</li> <li><input type="checkbox"/> Front side</li> <li><input type="checkbox"/> Wraparound exterior</li> </ul> <p><b>Print providers</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ArtsAdd</li> <li><input type="checkbox"/> Colorway</li> <li><input type="checkbox"/> District Photo</li> <li><input type="checkbox"/> Duplum</li> </ul> <table border="1"> <tbody> <tr> <td>Ceramic Mug 11oz By Generic brand From USD 4.40 From USD 3.39 with Printify Premium 1 size - District Photo</td> <td>Accent Coffee Mug, 11oz By Generic brand From USD 5.52 From USD 4.25 with Printify Premium 1 size - 5 colors - District Photo</td> <td>Ceramic Mug 15oz By Generic brand From USD 5.66 From USD 4.36 with Printify Premium 1 size - District Photo</td> <td>White Ceramic Mug By ORCA Coatings From USD 6.88 From USD 5.30 with Printify Premium 2 sizes - MyLocker</td> <td>Mug 11oz By Generic brand From USD 5.84 From USD 4.49 w Premium 1 size - 2 print pr</td> </tr> <tr> <td><span style="border: 1px solid blue; padding: 2px;">New</span></td> </tr> </tbody> </table>	Ceramic Mug 11oz By Generic brand From USD 4.40 From USD 3.39 with Printify Premium 1 size - District Photo	Accent Coffee Mug, 11oz By Generic brand From USD 5.52 From USD 4.25 with Printify Premium 1 size - 5 colors - District Photo	Ceramic Mug 15oz By Generic brand From USD 5.66 From USD 4.36 with Printify Premium 1 size - District Photo	White Ceramic Mug By ORCA Coatings From USD 6.88 From USD 5.30 with Printify Premium 2 sizes - MyLocker	Mug 11oz By Generic brand From USD 5.84 From USD 4.49 w Premium 1 size - 2 print pr	<span style="border: 1px solid blue; padding: 2px;">New</span>								
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6	<p>Create a responsive web page for <b>College website</b> with top navbar and display toppers data statistics (year wise) in card using <b>Bootstrap</b></p> <table border="1"> <thead> <tr> <th>Section</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td><b>Title</b></td> <td>"Pune Institute of Computer Technology"</td> </tr> <tr> <td><b>Navigation</b></td> <td></td> </tr> <tr> <td><b>Bar (Top Navbar)</b></td> <td>Bootstrap <b>navbar</b> with links: 'Home'</td> </tr> <tr> <td><b>Headings</b></td> <td>Welcome to XYZ College Our Achievements Year-Wise Toppers</td> </tr> <tr> <td><b>Toppers' Statistics (Cards)</b></td> <td>Bootstrap <b>card layout</b> (col-md-4) for each year's <b>topper details</b> (Name, Department, Percentage, Photo).</td> </tr> <tr> <td><b>Responsive Features</b></td> <td>- <b>Cards adjust</b> in a grid (col-md-4, col-sm-6, col-12). - <b>Navbar</b></td> </tr> </tbody> </table>	Section	Content	<b>Title</b>	"Pune Institute of Computer Technology"	<b>Navigation</b>		<b>Bar (Top Navbar)</b>	Bootstrap <b>navbar</b> with links: 'Home'	<b>Headings</b>	Welcome to XYZ College Our Achievements Year-Wise Toppers	<b>Toppers' Statistics (Cards)</b>	Bootstrap <b>card layout</b> (col-md-4) for each year's <b>topper details</b> (Name, Department, Percentage, Photo).	<b>Responsive Features</b>	- <b>Cards adjust</b> in a grid (col-md-4, col-sm-6, col-12). - <b>Navbar</b>
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	<p><b>Footer</b></p> <p>collapses into a <b>toggle menu</b> on mobile.</p> <p>Includes <b>college address, contact details, and social media links.</b></p>
7	<p>Create the following web page of Facebook using <b>Bootstrap</b></p> 
8	<p>Create an event registration form using Bootstrap's form components. Include input validation, floating labels, and tooltips to guide the user.</p>
9	<p>Create a weather application using JavaScript and AJAX where users enter a city name, and AJAX fetches real-time weather data dynamically from local repository map having city with temperature, humidity, and conditions</p>
10	<p>Develop a to-do list that automatically saves tasks (add, update, delete) to the server using <b>AJAX</b> without requiring a page refresh.</p>
11	<p>Write a JavaScript Program to create a login(username, password) and registration form(name, email, mobile no, dob, city, address) and push to array/local storage with <b>AJAX POST</b> method and data list in a new page. Add proper validations for each form element.</p>

12	Create a <b>basic to-do list</b> where users can <b>add, edit, and delete tasks</b> . Use Angular's two-way data binding to update tasks dynamically.																	
13	Create an Angular application which will do following actions: User Registration, Login User, Show User Data on Profile Component																	
14	Create a Node.js server that reads user data from a JSON file and serves it as an API. A front-end page should display the list dynamically using HTML & JavaScript.																	
15	Build a product catalog where product details (name, price, image) are stored in a JSON file. The Node.js server should provide the data as an API for a front-end page to display products																	
16	Create a Node.JS Application that serves as a static website for Restaurants/Art Gallary																	
17	Build an Employee Directory where employee details (name, designation, department, salary, and profile image) are stored in a JSON file. A Node.js server should provide this data as an API, and a front-end page should fetch and display employee details.																	
18	Perform the following tasks using node.js, Express.js and MongoDB. The following operation should be performed only on Nodejs and Express.js. <ul style="list-style-type: none"> <li>a) Create a Database called music.</li> <li>b) Create a collection called song details</li> <li>c) Insert array of 5 song documents in above Collection. [Document have following field: Songname, Film, Music_director, singer]</li> <li>d) Display total count of documents and List all the documents in browser.</li> <li>e) List specified Music Director songs.</li> <li>f) List specified Music Director songs sung by specified Singer</li> <li>g) Delete the song which you don't like.</li> <li>h) Add new song which is your favourite.</li> <li>i) List Songs sung by Specified Singer from specified film.</li> <li>j) Update the document by adding Actor and Actress name.</li> <li>k) Display the above data in Browser in tabular format.</li> </ul>																	
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- 19 Perform the following tasks using node.js, Express.js and MongoDB.  
The following operation should be performed only on Node.js and Express.js.
- Create a Database called student.
  - Create a collection called studentmarks
  - Insert array of documents in above Collection. Document have following field:  
Name, Roll\_No, WAD\_Marks, CC\_Marks,  
DSBDA\_Marks,CNS\_Marks,AI\_marks]
  - Display total count of documents and List all the documents in browser.
  - List the names of students who got more than 20 marks in DSBDA Subject in browser.
  - Update the marks of Specified students by 10.
  - List the names who got more than 25 marks in all subjects in browser.
  - List the names who got less than 40 in both Maths and Science in browser.
  - Remove specified student document from collection.
  - Display the Students data in Browser in tabular format.

Name	Roll No	WAD	DSBDA	CNS	CC	AI
ABC	111	25	25	25	25	25

- 20 Create a backend application for managing employee records.  
**Perform the following tasks using Node.js, Express.js, and MongoDB.**  
The following operations should be performed in Node.js and Express.js only:
- Add a new employee (name, department, designation, salary, joining date)
  - View all employee records
  - Update an existing employee's details
  - Delete an employee record

- 21 Design a backend system to manage books in an online bookstore.  
**Perform the following tasks using Node.js, Express.js, and MongoDB.**

	<p>The following operations should be performed in Node.js and Express.js only:</p> <ul style="list-style-type: none"> <li>• Add a new book (title, author, price, genre)</li> <li>• Retrieve a list of all books</li> <li>• Update book details</li> <li>• Delete a book from the collection</li> </ul>
22	<p>Create a simple mobile website using jQuery Mobile for your college – <i>Pune Institute of Computer Technology (PICT)</i>. Include static pages like:</p> <ul style="list-style-type: none"> <li>• About Us</li> <li>• Courses Offered</li> <li>• Departments</li> <li>• Contact Information</li> </ul> <p>Use jQuery Mobile's navigation bar, collapsible content, and page transitions.</p>
23	<p>Build a mobile website to display student clubs and extracurricular activities at PICT. Each club (e.g., Coding Club, Robotics Club, Dance Club) should have:</p> <ul style="list-style-type: none"> <li>• Name</li> <li>• Description</li> <li>• Achievements</li> <li>• Static images</li> </ul>
24	<p>Create a mobile site that displays static reviews of 4-5 movies. Each movie should have:</p> <ul style="list-style-type: none"> <li>• Poster (image)</li> <li>• Genre</li> <li>• Short summary</li> <li>• Review (static text)</li> </ul>
25	<p>Design a simple personal portfolio mobile site using jQuery Mobile. Include pages like:</p> <ul style="list-style-type: none"> <li>• About Me</li> <li>• Projects</li> <li>• Skills</li> <li>• Contact Info</li> </ul>
26	<p>Develop a static mobile website using mobile JQuery showcasing PICT's B.E. course structure. Each year (FE, SE, TE, BE) should be a collapsible section listing subjects and brief descriptions.</p>