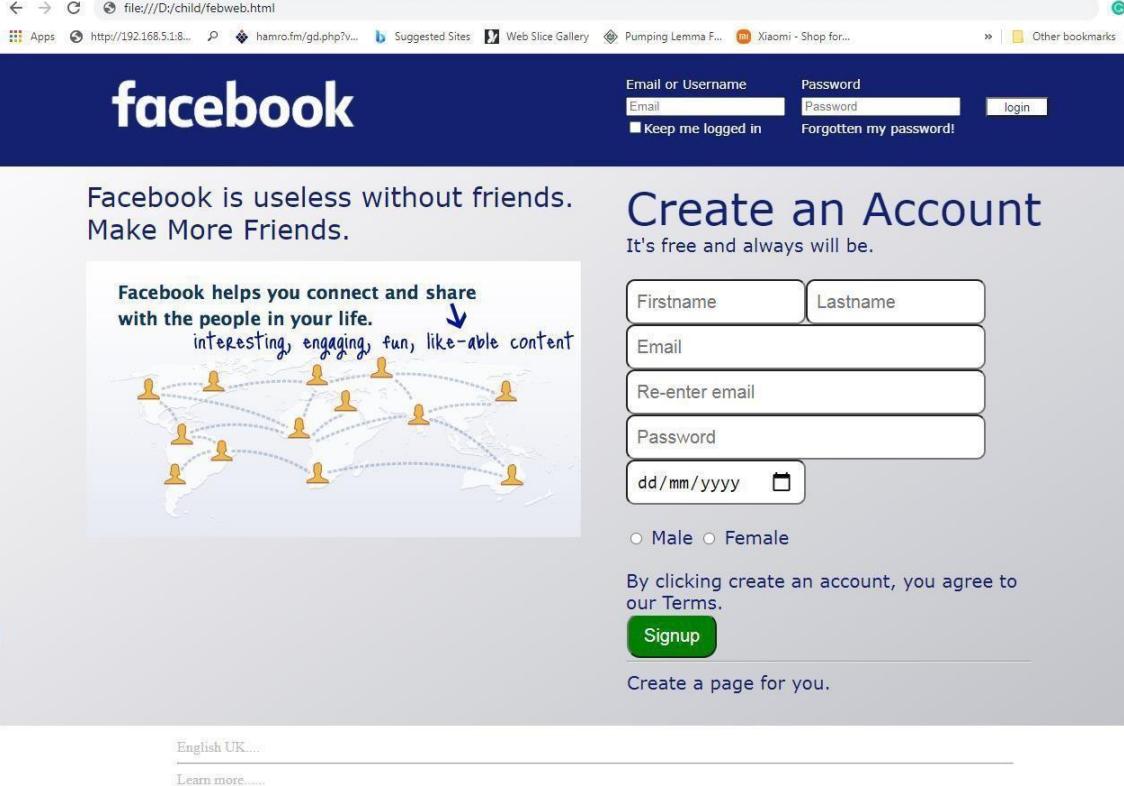


## WADL Problem Statements:

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: 10px;"></td><td style="text-align: center; padding: 10px;">Wireless Headphones</td><td style="text-align: center; padding: 10px;">₹7,999</td><td style="text-align: center; padding: 10px;">Noise-cancelling over-ear headphones.</td></tr> <tr> <td style="text-align: center; padding: 10px;"></td><td style="text-align: center; padding: 10px;">Smartwatch</td><td style="text-align: center; padding: 10px;">₹12,999</td><td style="text-align: center; padding: 10px;">Fitness tracking smartwatch.</td></tr> <tr> <td style="text-align: center; padding: 10px;"></td><td style="text-align: center; padding: 10px;">Gaming Mouse</td><td style="text-align: center; padding: 10px;">₹2,499</td><td style="text-align: center; padding: 10px;">Ergonomic gaming mouse.</td></tr> <tr> <td style="text-align: center; padding: 10px;"></td><td style="text-align: center; padding: 10px;">Laptop Stand</td><td style="text-align: center; padding: 10px;">₹1,999</td><td style="text-align: center; padding: 10px;">Adjustable aluminium stand.</td></tr> </tbody> </table> <p style="text-align: center; margin-top: 10px;"><b>○ Pagination Controls:</b>  <span style="color: blue; font-size: 1.2em;">←</span> Previous   <b>Page 1 of 2</b>   Next <span style="color: blue; 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.
<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.																		
2	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.																				
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>														
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 style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 30%;">Section</th> <th style="text-align: center; width: 70%;">Content</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>Title</b></td> <td>"Pune Institute of Computer Technology"</td> </tr> <tr> <td style="text-align: center;"><b>Navigation</b></td> <td></td> </tr> <tr> <td style="text-align: center;"><b>Bar (Top Navbar)</b></td> <td>Bootstrap <b>navbar</b> with links: 'Home'</td> </tr> <tr> <td style="text-align: center;"><b>Headings</b></td> <td>Welcome to XYZ College Our Achievements Year-Wise Toppers</td> </tr> <tr> <td style="text-align: center;"><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 style="text-align: center;"><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>
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>														

	<p><b>Footer</b></p> <p><b>collapses into a toggle menu on mobile.</b></p> <p><b>Includes 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 AJAX 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 AJAX POST 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	<p>Perform the following tasks using node.js, Express.js and MongoDB. The following operation should be performed only on Nodejs and Express.js.</p> <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> <table border="1"> <thead> <tr> <th>Song Name</th> <th>Film Name</th> <th>Music Director</th> <th>Singer</th> <th>Actor</th> <th>Actress</th> </tr> </thead> <tbody> <tr> <td>ABC</td> <td>DEF</td> <td>GHI</td> <td>JKL</td> <td>MNO</td> <td>PQR</td> </tr> </tbody> </table>	Song Name	Film Name	Music Director	Singer	Actor	Actress	ABC	DEF	GHI	JKL	MNO	PQR
Song Name	Film Name	Music Director	Singer	Actor	Actress								
ABC	DEF	GHI	JKL	MNO	PQR								

19	<p>Perform the following tasks using node.js, Express.js and MongoDB. The following operation should be performed only on Node.js and Express.js.</p> <ul style="list-style-type: none"> <li>a) Create a Database called student.</li> <li>b) Create a collection called studentmarks</li> <li>c) Insert array of documents in above Collection. Document have following field: Name, Roll_No, WAD_Marks, CC_Marks, DSBDA_Marks, CNS_Marks, AI_marks]</li> <li>d) Display total count of documents and List all the documents in browser.</li> <li>e) List the names of students who got more than 20 marks in DSBDA Subject in browser.</li> <li>f) Update the marks of Specified students by 10.</li> <li>g) List the names who got more than 25 marks in all subjects in browser.</li> <li>h) List the names who got less than 40 in both Maths and Science in browser.</li> <li>i) Remove specified student document from collection.</li> <li>j) Display the Students data in Browser in tabular format.</li> </ul> <table border="1" data-bbox="355 1192 1378 1417"> <thead> <tr> <th>Name</th><th>Roll No</th><th>WAD</th><th>DSBDA</th><th>CNS</th><th>CC</th><th>AI</th></tr> </thead> <tbody> <tr> <td>ABC</td><td>111</td><td>25</td><td>25</td><td>25</td><td>25</td><td>25</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Name	Roll No	WAD	DSBDA	CNS	CC	AI	ABC	111	25	25	25	25	25							
Name	Roll No	WAD	DSBDA	CNS	CC	AI																
ABC	111	25	25	25	25	25																
20	<p>Create a backend application for managing employee records.</p> <p><b>Perform the following tasks using Node.js, Express.js, and MongoDB.</b></p> <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 employee (name, department, designation, salary, joining date)</li> <li>• View all employee records</li> <li>• Update an existing employee's details</li> <li>• Delete an employee record</li> </ul>																					
21	<p>Design a backend system to manage books in an online bookstore.</p> <p><b>Perform the following tasks using Node.js, Express.js, and MongoDB.</b></p>																					

	<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>