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Roadmap : HTTP

N O	Screenshoot Progres
1.	<div><h3>Task 1</h3><p>HTTPS is the secure version of HTTP. HTTPS data is encrypted so it not only stops people from seeing the data you are receiving and sending, but it also gives you assurance that you are talking to the correct web server and not something impersonating it.</p><p>✓ Woop woop! Your answer is correct</p><p>Answer the questions below</p><p>What does HTTP stand for?</p><p>HyperText Transfer Protocol ✓ Correct Answer</p><p>What does the S in HTTPS stand for?</p><p>secure ✓ Correct Answer</p><p>On the mock webpage on the right there is an issue, once you've found it, click on it. What is the challenge flag?</p><p>THM{INVALID_HTTP_CERT} ✓ Correct Answer</p><p>Task 2 ○ Requests And Responses</p></div>
2.	<div><h3>Task 2</h3><p>✓ Woop woop! Your answer is correct</p><p>Answer the questions below</p><p>What HTTP protocol is being used in the above example?</p><p>HTTP/1.1 ✓ Correct Answer</p><p>What response header tells the browser how much data to expect?</p><p>Content-Length ✓ Correct Answer</p><p>Task 3 ○ HTTP Methods</p><p>Task 4 ○ HTTP Status Codes</p></div>
3.	Task 3

	<p>Answer the questions below</p> <p>What method would be used to create a new user account?</p> <p>POST</p> <p>✓ Correct Answer</p> <p>What method would be used to update your email address?</p> <p>PUT</p> <p>✓ Correct Answer</p> <p>What method would be used to remove a picture you've uploaded to your account?</p> <p>DELETE</p> <p>✓ Correct Answer</p> <p>What method would be used to view a news article?</p> <p>GET</p> <p>✓ Correct Answer</p> <p>Task 4 ○ HTTP Status Codes</p>
4.	<p>Task 4</p> <p>Click the "View Site" button on the right to see what some of these HTTP status messages look like in a browser.</p> <p>✓ Woop woopl Your answer is correct</p> <p>Answer the questions below</p> <p>✓ Woop woopl Your answer is correct</p> <p>What response code might you receive if you've created a new user or blog post article?</p> <p>201</p> <p>✓ Correct Answer</p> <p>What response code might you receive if you've tried to access a page that doesn't exist?</p> <p>404</p> <p>✓ Correct Answer</p> <p>What response code might you receive if the web server cannot access its database and the application crashes?</p> <p>503</p> <p>✓ Correct Answer</p> <p>What response code might you receive if you try to edit your profile without logging in first?</p> <p>401</p> <p>✓ Correct Answer</p>
5.	<p>Task 5</p>
6.	<p>Task 6</p> <p>Room progress (72%)</p> <p>Once you have developer tools open, click on the "Network" tab. This tab will show you a list of all the resources your browser has requested. You can click on each one to receive a detailed breakdown of the request and response. If your browser sent a cookie, you will see these on the "Cookies" tab.</p> <p>✓ Woop woopl Your answer is correct</p> <p>Answer the questions below</p> <p>Which header is used to save cookies to your computer?</p> <p>Set-Cookie</p> <p>✓ Correct Answer</p> <p>Task 7 ○ Making Requests</p>

	<div> <p><b>Cache-Control:</b> How long to store the content of the response in the browser's cache before it requests it again.</p> <p><b>Content-Type:</b> This tells the client what type of data is being returned, i.e., HTML, CSS, JavaScript, Images, PDF, Video, etc, and how to process the data.</p> <p><b>Content-Encoding:</b> What method has been used to compress the data to make it smaller when sending it over the internet.</p> <p>Answer the questions below</p> <p>What header tells the web server what browser is being used?</p> <div> <input type="text" value="User-Agent"/> <div>✓ Correct Answer</div> </div> <p>What header tells the browser what type of data is being returned?</p> <div> <input type="text" value="Content-Type"/> <div>✓ Correct Answer</div> </div> <p>What header tells the web server which website is being requested?</p> <div> <input type="text" value="Host"/> <div>✓ Correct Answer</div> </div> </div> <div> <div>Task 6</div> <div>Cookies</div> <div></div> </div>
7.	<div> <div>Task 7</div> <div> <div>Room completed (100%)</div> <div> <p>Answer the questions below</p> <p>Make a GET request to /room</p> <div> <input type="text" value="THM{YOU'RE_IN_THE_ROOM}"/> <div>✓ Correct Answer</div> <div>Hint</div> </div> <p>Make a GET request to /blog and using the gear icon set the id parameter to 1 in the URL field</p> <div> <input type="text" value="THM{YOU_FOUND_THE_BLOG}"/> <div>✓ Correct Answer</div> </div> <p>Make a DELETE request to /user/1</p> <div> <input type="text" value="THM{USER_IS_DELETED}"/> <div>✓ Correct Answer</div> </div> <p>Make a PUT request to /user/2 with the username parameter set to admin</p> <div> <input type="text" value="THM{USER_HAS_UPDATED}"/> <div>✓ Correct Answer</div> <div>Hint</div> </div> <p>POST the username of thm and a password of letmein to /login</p> <div> <input type="text" value="THM{HTTP_REQUEST_MASTER}"/> <div>✓ Correct Answer</div> <div>Hint</div> </div> </div> </div> </div>