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Topic	React Native App -1	
Class Description	Students create a Mobile app where they will fetch a movie and mark if they - have watched the movie, liked the movie or disliked the movie.	
Class	C-143	
Class time	45 mins	
Goal	<ul style="list-style-type: none"> <li>Student codes to create a React Native app to mark if they liked a movie, disliked a movie or mark not yet watched a movie.</li> </ul>	
Resources Required	<ul style="list-style-type: none"> <li>Teacher Resources               <ul style="list-style-type: none"> <li>VS Code</li> <li>Laptop with internet connectivity</li> <li>Earphones with mic</li> <li>Notebook and pen</li> </ul> </li> <li>Student Resources               <ul style="list-style-type: none"> <li>VS Code</li> <li>Laptop with internet connectivity</li> <li>Earphones with mic</li> <li>Notebook and pen</li> </ul> </li> </ul>	
Class structure	Warm Up Teacher-led Activity Student-led Activity Wrap up	5 mins 15 min 20 min 5 min
<b>CONTEXT</b> <ul style="list-style-type: none"> <li>Review the concepts learned in the earlier classes</li> </ul>		
Class Steps	Teacher Action	Student Action
Step 1: Warm Up (5 mins)	Hi <Student Name>. How are you doing today?	ESR: Varied

	<p>So in the last class we finished creating all the FLASK API required for the second screen.</p>	
	<p>I have an exciting quiz question for you! Are you ready to answer this question?</p> <p><i>Teacher clicks on the</i></p> <div data-bbox="449 636 699 730" data-label="Image"> </div> <p><i>button on the bottom right corner of their screen to start the In-Class Quiz.</i></p> <p><i>A quiz will be visible to both you and the student.</i></p> <p><i>Encourage the student to answer the quiz question.</i></p> <p><i>The student may choose the wrong option, help the student to think correctly about the question and then answer again.</i></p> <p><i>After the student selects the correct</i></p> <div data-bbox="597 1344 842 1417" data-label="Image"> </div> <p><i>option, the button will start appearing on your screen.</i></p> <p><i>Click the End quiz to close the quiz pop-up and continue the class.</i></p>	
	<p>In this class we'll be creating a React Native app which will utilize the API created by us to mark if the unliked , not yet watched and liked movies.</p>	

	Let's get started on the class.	
<b>Teacher Initiates Screen Share</b>		
<ul style="list-style-type: none"> <li>• List down all the user actions and app behavior for the screen.</li> <li>• Discuss the logic or flow of the program to achieve these user behaviors.</li> </ul>		
<b>Step 2:</b> <b>Teacher-led Activity</b> <b>(15 mins)</b>	<p>For the first screen in the app, we will start by listing down the user actions and the app behavior in response to those user actions.</p> <p>Let's talk about the home screen.</p> <p>&lt;note - let the student talk about the app&gt;</p> <p>In this case we want to show the details of the movie and provide 3 buttons. A like button, A dislike button and A not watched button.</p>	<p><i>The student talks about the user actions and app behavior for the home screen of the app.</i></p>
	<p>Let's talk about the program flow to achieve this kind of behavior.</p> <p>In this case we'll write a function for each button and call it when that particular button is pressed.</p> <p>The function will then make a post request on the given API and update the name of the movie in that</p>	<p><i>Student talks about how he/she will program every element of the app.</i></p>

	particular list. (If user pressed like button add the movie name to the liked list, same for not watched and disliked list)	
	<p>Let's get started on coding for these app functionality.</p> <p><b>NOTE - React Element 1.2.7 should be used to build this app:</b></p> <pre>npm i react-native-elements@1.2.7</pre>	
<b>Teacher Stops Screen Share</b>		
	Now it's your turn. Please share your screen with me.	
<ul style="list-style-type: none"> <li>• Ask Student to press ESC key to come back to panel</li> <li>• Guide Student to start Screen Share</li> <li>• Teacher gets into Fullscreen</li> </ul>		
<p><b><u>ACTIVITY</u></b></p> <ul style="list-style-type: none"> <li>• Write code to add the functionality in the app</li> <li>• Test and debug the code</li> </ul>		

<b>Step 3: Student-Led Activity (15 min)</b>	<i>Teacher guides the student through coding for the app functionality for each screen in the app.</i>	<i>Student codes for each functionality for each screen on the app.</i>  <i>After coding for each functionality, the student runs the app and tests the output.</i>
	<i>The teacher can help in testing and debugging the app.</i>	<i>Student debugs the app for errors.</i>
<b>Teacher Guides Student to Stop Screen Share</b>		
<p style="text-align: center;"><b><u>FEEDBACK</u></b></p> <ul style="list-style-type: none"> <li>Continue adding for more app functionality</li> </ul>		
<b>Step 4: Wrap-Up (5 min)</b>	Can you summarize the app features and functionalities we have built in the app?	<b>ESR:</b> <i>The student summarizes the features and functionalities built in the app in the session.</i>
	What are the other features/functionalities which are pending?	<i>The student talks about the other app features/functionalities which are pending.</i>
	We will continue to build these in the upcoming classes.	-

<div>Teacher Clicks</div> <div>✕ End Class</div>		
<b>Additional Activities</b>	<p><i>Get the student to continue working on the pending app functionalities. Help them test, debug and run the app.</i></p>	<p><i>Student codes for the adding other functionalities in the app.</i></p> <p><i>Student runs, tests and debugs the app.</i></p>

Activity	Activity Name	Links
Teacher Activity 1	Reference Solution	<a href="https://github.com/whitehatjr/imdb-movie-recommendation-stage-1/tree/main">https://github.com/whitehatjr/imdb-movie-recommendation-stage-1/tree/main</a>