

Topic	React Native App - 2	
Class Description	Students add another screen to the Mobile app where they can see the recommended and the popular movies.	
Class	C-144	
Class time	45 mins	
Goal	<ul style="list-style-type: none"> Student codes to create 2 screens to show the popular movies and the recommended movies. 	
Resources Required	<ul style="list-style-type: none"> Teacher Resources <ul style="list-style-type: none"> VS Code Laptop with internet connectivity Earphones with mic Notebook and pen Student Resources <ul style="list-style-type: none"> VS Code Laptop with internet connectivity Earphones with mic Notebook and pen 	
Class structure	Warm Up Teacher-led Activity Student-led Activity Wrap up	5 mins 15 min 20 min 5 min
<p style="text-align: center;"><u>CONTEXT</u></p> <ul style="list-style-type: none"> Talk about the other screens and the functionality of the app. 		
Class Steps	Teacher Action	Student Action
Step 1: Warm Up (5 mins)	Hi <Student Name>. How are you doing today?	ESR: Varied

	<p>In the last class we started creating a react native app and we created a home screen where we showed the movie details and the user could mark if he/she liked the movie, disliked the movie or didn't watch the movie.</p>	
	<p>In this class we'll continue coding for the other functionality of the app and add 2 more screens to show the recommended and the popular movies to the user.</p>	
	<p>Before we get started, I have an exciting quiz for you! Are you ready?</p> <div data-bbox="730 932 977 1024" data-label="Image"> </div> <p><i>Teacher clicks on the 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 option, the</i> <div data-bbox="592 1638 837 1711" data-label="Image"> </div> <i>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>	

	Let's get started with the code.	
Teacher Initiates Screen Share		
<p style="text-align: center;"><u>CHALLENGE</u></p> <ul style="list-style-type: none"> • List down all the user actions and app behavior for the screen. • Discuss the logic or flow of the program to achieve these user behaviors. 		
Step 2: Teacher-led Activity (15 mins)	We'll be creating two screens, Popular Movies screen and Recommended Movies screen. Let's start by thinking about the user actions for the screens.	<i>Student talks about his/her ideas of the user action for the popular movies and recommended movies.</i>
	We will create two tabs and add them in a Top tab navigator. We'll use the createMaterialTopTabNavigator to create the tab navigator and then add the screen to this navigator.	
	<p>Let's talk about the program flow to achieve this kind of behavior.</p> <p>We'll navigate to the tabs when the user presses the shutter icon on the home screen.</p> <p>Each screen will have a function called <code>getData()</code> which will run when the component is mounted. This function will make a query on the previously created API and get the list of the popular movies or the recommended movies.</p>	<i>Student talks about how he/she will program every element of the app.</i>

	<p>To show the list of the movies we'll use the flatlist.</p> <p>And to show the details of a particular movie we'll use the <Card> component.</p> <p>We'll also add a back button to navigate back to the home screen.</p>	
Teacher Stops Screen Share		
	Now it's your turn. Please share your screen with me.	
<ul style="list-style-type: none"> • Ask Student to press ESC key to come back to panel • Guide Student to start Screen Share • Teacher gets into Fullscreen 		
<p style="text-align: center;"><u>ACTIVITY</u></p> <ul style="list-style-type: none"> • Write code to add the functionality in the app • Test and debug the code 		
Step 3: Student-Led Activity (15 min)	<p><i>Teacher guides the student through coding for the app functionality for each screen in the app.</i></p>	<p><i>Student codes for each functionality for each screen on the app.</i></p> <p><i>After coding for each functionality, the student runs the app and tests the output.</i></p>
	<p><i>The teacher can help in testing and debugging the app.</i></p>	<p><i>Student debugs the app for errors.</i></p>

Teacher Guides Student to Stop Screen Share		
FEEDBACK <ul style="list-style-type: none"> Continue adding for more app functionality or design 		
Step 4: Wrap-Up (5 min)	Can you summarize the app features and functionalities we have built in the app?	<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? You can try to finish the pending functionality on your own. I'll guide you wherever required.	<i>The student talks about the other app features/functionalities which are pending.</i>
<div> <div>Teacher Clicks</div> <div>✕ End Class</div> </div>		
Additional Activities	<i>Get the student to continue working on the pending app functionalities. Help them test, debug and run the app.</i>	<i>Student codes for the adding other functionalities in the app.</i> <i>Student runs, tests and debugs the app.</i>

Activity	Activity Name	Links
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Teacher Activity 1	Final Solution	https://github.com/whitehatjr/imdb-movies-stage-2
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