









Topic	USER INTERFACE & NAVIGATION	
Class Description	Students identify the user interface elements in their app. Students create the different static screens for the app and use React navigation to connect the different screens.	
Class	C92	
Class time	45 mins	
Goal	<ul style="list-style-type: none"> <li>Identify the user interface elements used in the app</li> <li>Use React Native components to create the static screens for the app</li> <li>Add navigation for the different screens in the app</li> </ul>	
Resources Required	<ul style="list-style-type: none"> <li>Teacher Resources               <ul style="list-style-type: none"> <li>Laptop with internet connectivity</li> <li>Earphones with mic</li> <li>Notebook and pen</li> <li>Android/iOS Smartphone with Expo App installed</li> </ul> </li> <li>Student Resources               <ul style="list-style-type: none"> <li>Laptop with internet connectivity</li> <li>Earphones with mic</li> <li>Notebook and pen</li> <li>Android/iOS Smartphone with Expo App installed</li> </ul> </li> </ul>	
Class structure	<b>Warm Up</b> <b>Teacher-led Activity</b> <b>Student-led Activity</b> <b>Wrap up</b>	<b>05 mins</b> <b>15 mins</b> <b>15 mins</b> <b>05 mins</b>
WARM-UP SESSION - 05 mins		
<b>CONTEXT</b> <ul style="list-style-type: none"> <li>Talk about the UI design.</li> </ul>		
Teacher starts slideshow  from slides 1 to 7		

Refer to speaker notes and follow the instructions on each slide.	
Activity details	Solution/Guidelines
<p><i>Hey &lt;student's name&gt;. How are you? It's great to see you! Are you excited to learn something new today?</i></p> <p><b>Run the presentation from slide 1 to slide 4</b></p> <p><b>Following are the WARM-UP session deliverables:</b></p> <ul style="list-style-type: none"> <li>• Greet the student.</li> <li>• Revision of previous class activities.</li> <li>• Quizzes</li> </ul>	<p><b>ESR:</b> Hi, thanks, Yes I am excited about it!</p> <p>Click on the slide show tab and present the slides</p>
<b>Display the WARM-UP Quiz session</b>	
Activity details	Solution/Guidelines
<p><b>Run the presentation from slide 5 to slide 7 to set the problem statement.</b></p> <p><b>Following are the WARM-UP session deliverables:</b></p> <ul style="list-style-type: none"> <li>• Appreciate the student.</li> <li>• Introducing the problem statement.</li> </ul>	<p>Narrate the story by using hand gestures and voice modulation methods to bring in more interest in students.</p>
<p><b>Teacher ends slideshow</b> </p>	
<b>TEACHER-LED ACTIVITY - 15 mins</b>	
<b>Teacher Initiates Screen Share</b>	
<p><b><u>CHALLENGE</u></b></p> <ul style="list-style-type: none"> <li>• Identify User Interface Elements needed for the app</li> <li>• Identify the navigation logic for different screens in the app</li> </ul>	

<b>Step 2: Teacher-led Activity (15 min)</b>	<i>Help the student setup a new expo project.</i>	<i>The student sets up a new expo project on their system.</i>
	Let's talk about the different react native components needed for the different screens.	<i>Student talks about the different react native components they will use for the different screens: - Headers, Buttons, Text, View etc.</i>
	How will the user navigate through different screens?	<i>Student talks about the type of navigation they want to build in their app: Stack Navigation, Switch Navigation, Tab Navigation, Drawer Navigation, etc.</i>
	Let's get down to code for the app now.	-
<b>Teacher Stops Screen Share</b>		
	Now it's your turn. Please share your screen with me.	
<b>STUDENT-LED ACTIVITY - 20 mins</b>		
<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 align="center"><b><u>ACTIVITY</u></b></p> <ul style="list-style-type: none"> <li>• Use react native components to create static screens in the app</li> </ul>		
<p align="center">  <b>Teacher starts slideshow from slides 8 to 10</b>        Refer to speaker notes and follow the instructions on each slide.     </p>		

	Now it's your turn. Please share your screen with me.	
<div>  </div> <p><b>Teacher ends slideshow</b></p>		
<b>Step 3: Student-Led Activity (15 min)</b>	<p><i>Guide the student to code for the first screen of their app.</i></p> <p><i>Make sure that the student:</i></p> <ul style="list-style-type: none"> <li>- installs the library for the component which they are using</li> <li>- imports the library into their project</li> <li>- reads the documentation for the component</li> <li>- uses the props of the component in the way described in the component</li> </ul>	<i>The student codes for all the visual elements in each first of their app.</i>
	<i>Guide the student to create several different empty screens with only Text Components in them.</i>	<i>The student codes to create other empty screens with only Text Components in them.</i>
	<i>Guide the student to build navigation between the different screens.</i>	<i>The student uses one of the navigation styles to build react navigation between the different screens.</i>
	<i>Guide the student to code the visual elements to the other screens.</i>	<i>Student codes for the visual elements in the other screens.</i>

Teacher Guides Student to Stop Screen Share		
WRAP-UP SESSION - 05 Mins		
FEEDBACK		
<ul style="list-style-type: none"><li>Get the student to think about the database structure needed for the app</li></ul>		
<div>Teacher starts slideshow  from slide 11 to slide 20</div>		
Activity details		Solution/Guidelines
<p>Run the presentation from slide 11 to slide 20</p> <p>Following are the wrap-up session deliverables:</p> <ul style="list-style-type: none"><li>Explain the facts and trivias</li><li>Next class challenge</li><li>Project for the day</li><li>Additional Activity</li></ul>		<p>Guide the student to develop the project and share with us.</p>
Quiz Time - Click on In-Class Quiz		
	<p>You get a “hats off”.</p>	<p>Make sure you have given at least 2 Hats Off during the class for:</p> <div><div>Creatively Solved Activities  +10</div><div>Great Question  +10</div><div>Strong Concentration  +10</div></div>
Project Overview	<p><b>*This Project will take only 30 mins to complete. Motivate students to try and finish it after class only.*</b></p>	

	<p><b>User interface and navigation</b></p> <p><b>Goal of the Project:</b></p> <p>Congratulations on getting one step closer to the <b>Purple Hat</b>. In class 92, we identified the right user experience for the users of your app and created static screens.</p> <p>In this project, you will have to apply what you have learned in the class and identify the users of your app and create static screens.</p> <p><b>** This is a continuation of the project we did for Class 91. Please complete that project before attempting this project **</b></p> <p><b>Story:</b></p> <p>You helped Riya create a wireframe for her social work app. Now help her create static screens of her app.</p> <p>I am very excited to see your project solution and I know you will do really well.</p> <p>Bye Bye!</p>	
<p><b>Teacher Clicks</b></p> <p><b>✕ End Class</b></p>		
<p><b>Additional Activities</b></p>	<p>Complete designing all the visual elements in the app.</p>	<p><i>The student completes designing all the visual elements for the app.</i></p>

Activity	Activity Name	Links
Teacher Ref. Visual Aid Link	Visual Aid Link	<a href="https://curriculum.whitehatjr.com/Visual+Project+Asset/PRO_VD/PRO_C92_withcues.html">https://curriculum.whitehatjr.com/Visual+Project+Asset/PRO_VD/PRO_C92_withcues.html</a>
Teacher Ref. In-Class Quiz	In-Class Quiz	<a href="https://s3-whjr-curriculum-uploads.whjr.online/8740a2da-533f-41e3-938a-015a849e3985.pdf">https://s3-whjr-curriculum-uploads.whjr.online/8740a2da-533f-41e3-938a-015a849e3985.pdf</a>

