**MMA301**

**PT2**

1. **Which axis is referred to as the cross axis in Flexbox layout?**
   * **Answer: Perpendicular to main axis**
2. **What is required to display images from the web in React Native?**
   * **Answer: Set dimensions or flex style**
3. **What does the flex: 1 style in SafeAreaView ensure?**
   * **Answer: Fills the available screen space**
4. **Which hook is typically used to store the text value in a TextInput?**
   * **Answer: useState**
5. **Which component is specifically used to render content above the iOS keyboard?**
   * **Answer: InputAccessoryView**
6. **Which method is commonly used to set a fixed size for components?**
   * **Answer: Fixed dimensions**
7. **How do you style your application in React Native?**
   * **Answer: Using JavaScript**
8. **What does the renderItem function do in a FlatList?**
   * **Answer: Renders each item from the data**
9. **Which component provides touch feedback on Android?**
   * **Answer: TouchableNativeFeedback**
10. **How are style names written in React Native?**
    * **Answer: Camel case**
11. **Which component is used to render text in React Native?**
    * **Answer: Text**
12. **Which Android-only component is used for side drawer navigation?**
    * **Answer: DrawerLayoutAndroid**
13. **What component is used to handle user input from a keyboard in React Native?**
    * **Answer: TextInput**
14. **Which component supports section headers in React Native?**
    * **Answer: SectionList**
15. **What is a key feature of SectionList in React Native?**
    * **Answer: Supports section headers**
16. **What does flex: 1 do in a component?**
    * **Answer: Fills all available space**
17. **What is the prop name used for styling in React Native components?**
    * **Answer: style**
18. **What does the SafeAreaView component in React Native ensure?**
    * **Answer: That views are within safe area bounds**
19. **What does SectionList require for each section?**
    * **Answer: A unique key**
20. **Which platform supports the TouchableNativeFeedback component?**
    * **Answer: Android**
21. **What is the main axis in Flexbox layout?**
    * **Answer: Depends on flexDirection**
22. **How can a component expand based on available space?**
    * **Answer: Using flex property**
23. **Which platform uses UIView as an abstraction layer for View in React Native?**
    * **Answer: iOS**
24. **What happens when you pass an array to the style prop?**
    * **Answer: Last item overrides previous ones**
25. **How does FlatList handle offscreen content?**
    * **Answer: Clips offscreen content**
26. **What is the recommended component for large quantities of scrollable content?**
    * **Answer: FlatList**
27. **How does column-reverse arrange children?**
    * **Answer: Bottom to top**
28. **What is the web equivalent of the React Native View component?**
    * **Answer: <div>**
29. **Which prop is used to control the value of a TextInput?**
    * **Answer: onChangeText**
30. **What must be passed to TextInput to render a value?**
    * **Answer: value**
31. **What must be provided for Switch to update its value?**
    * **Answer: value prop**
32. **Which component is used for navigation in React Native?**
    * **Answer: Navigator**
33. **What does flexShrink: 0 do?**
    * **Answer: Prevents shrinking**
34. **What does the flex direction "row" do in React Native?**
    * **Answer: Aligns children left to right**
35. **What does the InputAccessoryView component wrap?**
    * **Answer: Custom toolbar**
36. **How is the DrawerLayoutAndroid's width configured?**
    * **Answer: By setting drawerWidth prop**
37. **What is the default value of the flexDirection property?**
    * **Answer: column**
38. **What property of the Button component makes it standard across platforms?**
    * **Answer: Default style for native platform**
39. **What feature is provided by FlatList that ScrollView does not have?**
    * **Answer: Renders only visible items**
40. **Which component is used for input above the keyboard in iOS?**
    * **Answer: InputAccessoryView**
41. **What type of Navigator is used for transitioning between screens in React Native?**
    * **Answer: Stack Navigator**
42. **Which component can render large amounts of scrollable data efficiently?**
    * **Answer: FlatList**
43. **What is the most basic building block of a React Native app?**
    * **Answer: View**
44. **How does row-reverse arrange children in Flexbox?**
    * **Answer: Right to left**
45. **Which API is used for styling in React Native?**
    * **Answer: StyleSheet**
46. **What is the key use of the SafeAreaView in iOS?**
    * **Answer: Applies padding for safe areas**
47. **What is the purpose of the keyExtractor function in FlatList?**
    * **Answer: To provide a unique key for each item**
48. **What does flex: 3 mean for a component in a Flexbox layout?**
    * **Answer: Occupies 1/3 of the space**
49. **Which layout algorithm is used in React Native to arrange children?**
    * **Answer: Flexbox**
50. **How does DrawerLayoutAndroid open the navigation drawer?**
    * **Answer: By dragging the drawer**
51. **How are section headers rendered in SectionList?**
    * **Answer: Using renderSectionHeader prop**
52. **How are dimensions represented in React Native?**
    * **Answer: Density-independent pixels**
53. **What is the default flexDirection in React Native?**
    * **Answer: column**
54. **How are new screens displayed by default on iOS with Stack Navigator?**
    * **Answer: Slide in from right**
55. **How do you make an image appear in React Native when using a URL source?**
    * **Answer: Set the uri prop**
56. **How do you specify another way to find/build the key in FlatList?**
    * **Answer: Use keyExtractor**
57. **What is the role of onValueChange in Switch?**
    * **Answer: Updates the state**

**ASS2**

**Which function can be used to show the user’s current location on a map?**

**✅ getLocation**

**What is the default layout direction in React Native?**

**✅ LTR**

**What permission must be requested to access the camera in React Native on Android?**

**✅ CAMERA**

**What must be included in the region prop for react-native-maps?**

**✅ Latitude, longitude, latitudeDelta, longitudeDelta**

**What does flexDirection: 'row-reverse' do?**

**✅ Aligns children right to left**

**What option does the Image Picker provide for selecting images?**

**✅ Choose from Camera Roll**

**What does an API platform help manage?**

**✅ API lifecycle**

**Which method does the Geolocation API use to get location data?**

**✅ GPS, Wi-Fi, IP Geolocation**

**How do you specify the direction in which text is laid out in React Native?**

**✅ layoutDirection**

**What prop is used to specify Google as the map provider in react-native-maps?**

**✅ provider**

**Which command installs react-native-maps?**

**✅ npm install react-native-maps**

**How do you align children at the center of a container in Flexbox?**

**✅ Using alignItems**

**What does the Geolocation API provide access to?**

**✅ Geographical location data**

**Which of the following is a valid map type in react-native-maps?**

**✅ hybrid**

**What does flexGrow control in Flexbox layout?**

**✅ Ability to grow**

**What does flexWrap: 'wrap' do in Flexbox?**

**✅ Wraps children to next line**

**Where do you add permissions for Android to use the camera?**

**✅ AndroidManifest.xml**

**What command is used to create a new project with Expo?**

**✅ expo init react-native-gmaps**

**How is react-native-maps different from a camera API?**

**✅ It shows maps instead of capturing photos**

**What kind of permissions are added for accessing storage in Android?**

**✅ WRITE\_EXTERNAL\_STORAGE**

**Which plugin allows image picking directly from the camera?**

**✅ react-native-image-picker**

**How do you align items along the cross axis in Flexbox?**

**✅ Using alignItems**

**What button initiates the Image Picker in React Native?**

**✅ Choose Image**

**What happens when you use flexShrink: 1 in a component?**

**✅ Component will shrink**

**How do you arrange items with equal space around them in Flexbox?**

**✅ Using space-around**

**What is a use case of the Geolocation API?**

**✅ Tracking a delivery vehicle**

**What is the function of the Marker component in react-native-maps?**

**✅ Displays a location marker**

**Which file is modified to add permissions for using the camera in Android apps?**

**✅ AndroidManifest.xml**

**What does the react-native-maps library provide?**

**✅ A method to display maps**

**What is one customization option available in the Image Picker?**

**✅ Choose file quality**

**Which React Native plugin is used to access the image picker?**

**✅ react-native-image-picker**

**Which prop controls the direction of layout in React Native?**

**✅ flexDirection**

**What must the Geolocation API request to access location data?**

**✅ User's permission**

**How does the Geolocation API improve privacy?**

**✅ By requesting permission**

**What does RTL layout direction affect?**

**✅ Position of children**

**Which property can the Geolocation API return?**

**✅ Longitude**

**How can you control the space between lines in Flexbox?**

**✅ Using alignContent**

**How do you set the height of a component as a percentage of its parent?**

**✅ Use height: '50%'**

**What does the prop 'mapType' define in react-native-maps?**

**✅ The type of map view**

**Which command is used to install Expo CLI globally?**

**✅ npm install -g expo-cli**

**How do you open the map app on a mobile device using react-native-maps?**

**✅ Import and use MapView**

**What does justifyContent control?**

**✅ Alignment of children**

**How do you initiate the camera in React Native?**

**✅ Using Camera API**

**What is required to access a user’s image and camera in React Native?**

**✅ Install react-native-image-picker**

**How do you control text and children alignment in React Native?**

**✅ Using alignItems**

**What is an API platform?**

**✅ A tool to manage APIs**

**What is the purpose of the alignItems prop in Flexbox?**

**✅ Aligns items vertically**

**What data is required in the region object for react-native-maps?**

**✅ All of the above (Latitude, Longitude, LatitudeDelta, LongitudeDelta)**

**What is displayed in a map app when the region is properly defined?**

**✅ A Google map view**

**What does layout direction "RTL" stand for?**

**✅ Right-to-left**

**What is used to control the size of the map in react-native-maps?**

**✅ style props**

**What library is used to integrate Google Maps in a React Native app?**

**✅ react-native-maps**

**How do you display a map in React Native using react-native-maps?**

**✅ Using MapView component**

**What is one use of the Geolocation API?**

**✅ Tagging photographs with location**

**What media types can the Image Picker handle?**

**✅ Photos and videos**

**What does alignItems: 'stretch' do in Flexbox?**

**✅ Stretches children vertically**