

University Of Vavuniya
Faculty Of Technological Studios
Department Of ICT
TICT4242- Mobile Application Development
Tutorial 05

Answer All Questions(100 marks)

01. Create a JavaScript application that shows the time and day in the format shown below.(5 marks)
02. Write a JavaScript program to calculate multiplication and division of two numbers (input from the user) .(5 marks)
03. Create a JavaScript function that determines the largest word in a string given as an argument.(5 marks)
04. To find the value of b^n , write a JavaScript function with n as the exponent and b as the base. Display the outcomes after accepting the user's input for b and n .(5 marks)
05. To generate a class named 'Rectangle' with width and height properties, write a JavaScript application. Provide two ways to determine the area and perimeter of a rectangle. Determine the size and perimeter of a newly created instance of the 'Rectangle' class.(5 marks)
06. Create a JavaScript function that accepts a number as input and, in the event that the number is not an integer, returns a custom 'Error'.(5 marks)
07. Write a JavaScript program to test whether the first character of a string is uppercase or not.(5 marks)
08. Write a JavaScript function to check whether a given value is IP value or not.(5 marks)
09. Write a JavaScript function to check whether a given value is HTML or not.(5 marks)
10. Create a JavaScript application to determine the area and perimeter of a circle.(5 marks)
Note: Develop two techniques for determining the perimeter and area. The user is going to supply the circle's radius.(5 marks)

11. Put the work below the components, together with the relevant codes and output screenshots (50 marks)

ActivityIndicator

Button

FlatList

Image

ImageBackground

KeyboardAvoidingView

Modal

Pressable

RefreshControl

ScrollView

SectionList

StatusBar

Switch

Text

TextInput

TouchableHighlight

TouchableOpacity

TouchableWithoutFeedback

View

VirtualizedList

Screenshots and Documentation Instructions

Take step-by-step screenshots throughout the development process to demonstrate your progress. Start by capturing the project setup right after creating the project. Then, take a screenshot of the file structure once you have set up the necessary files in your code editor. After completing the code, capture the final version of the code in App.js. Next, showcase the app in action by taking screenshots of the initial screen with empty input fields, followed by another screenshot after entering values and clicking the Calculate Average button. Finally, if the user provides invalid inputs, take a screenshot of the alert message that appears. Once you have all the screenshots, insert them in sequence into a Word or Google Docs document, ensuring that each screenshot is accompanied by a caption briefly explaining what is shown. After organizing the content, export the document as a PDF. Rename the PDF using your registration number. Make sure to follow the submission guidelines provided on Google Classroom and verify that your submission meets all requirements.