

EASTERN INTERNATIONAL UNIVERSITY

School of Computing and Information of Technology



Lab 1

Practice Assignment - Q1, 2025-2026

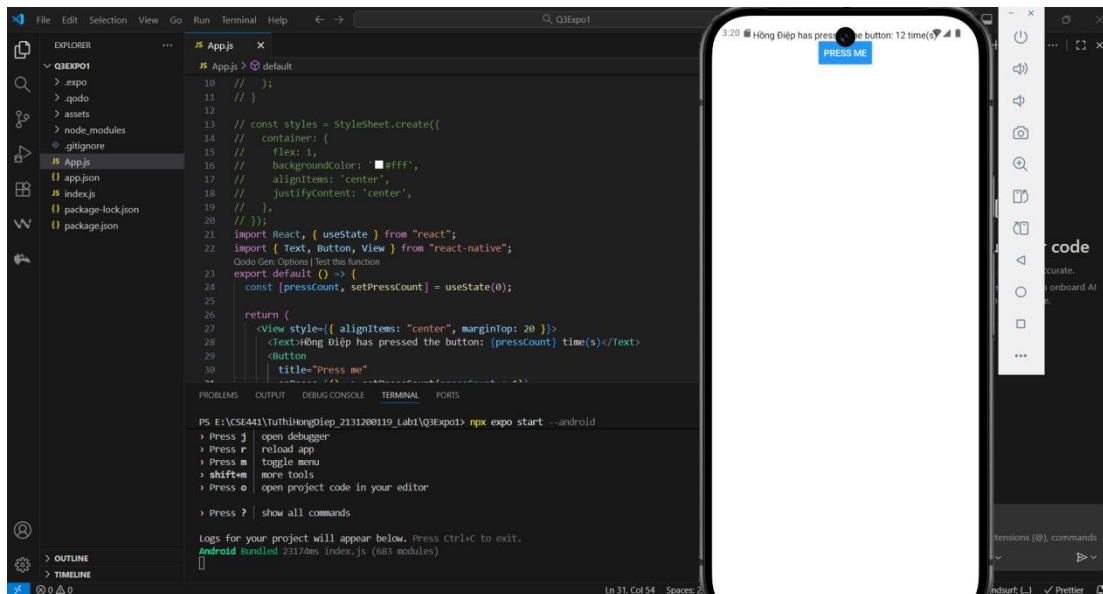
Course Name: Mobile Application Development

Course Code: CSW 430

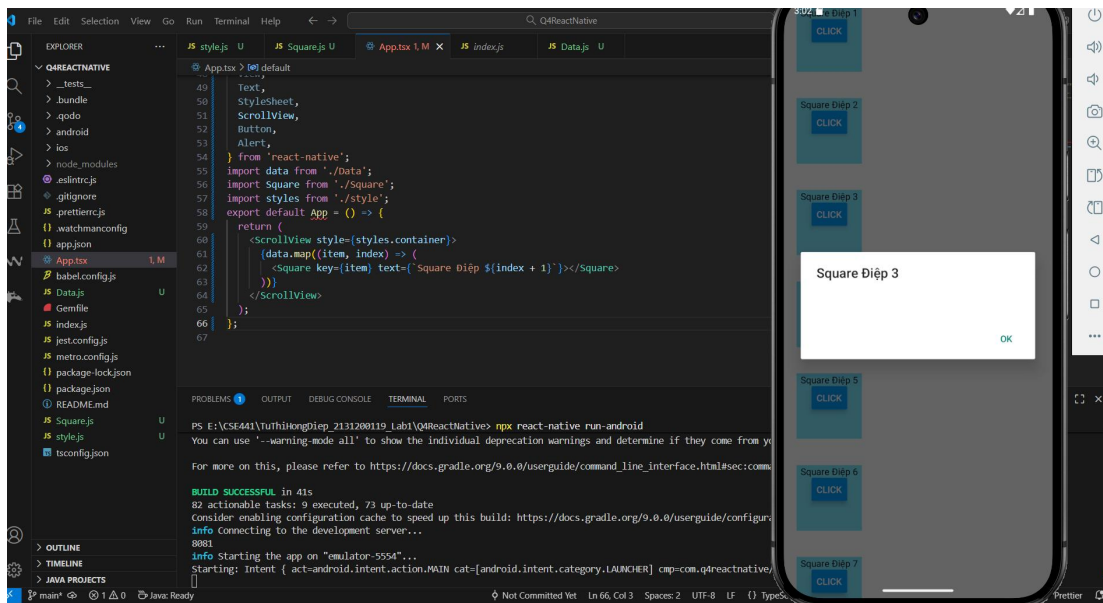
Student's Full Name: Tu Thi Hong Diep

Student Id: 2131200119

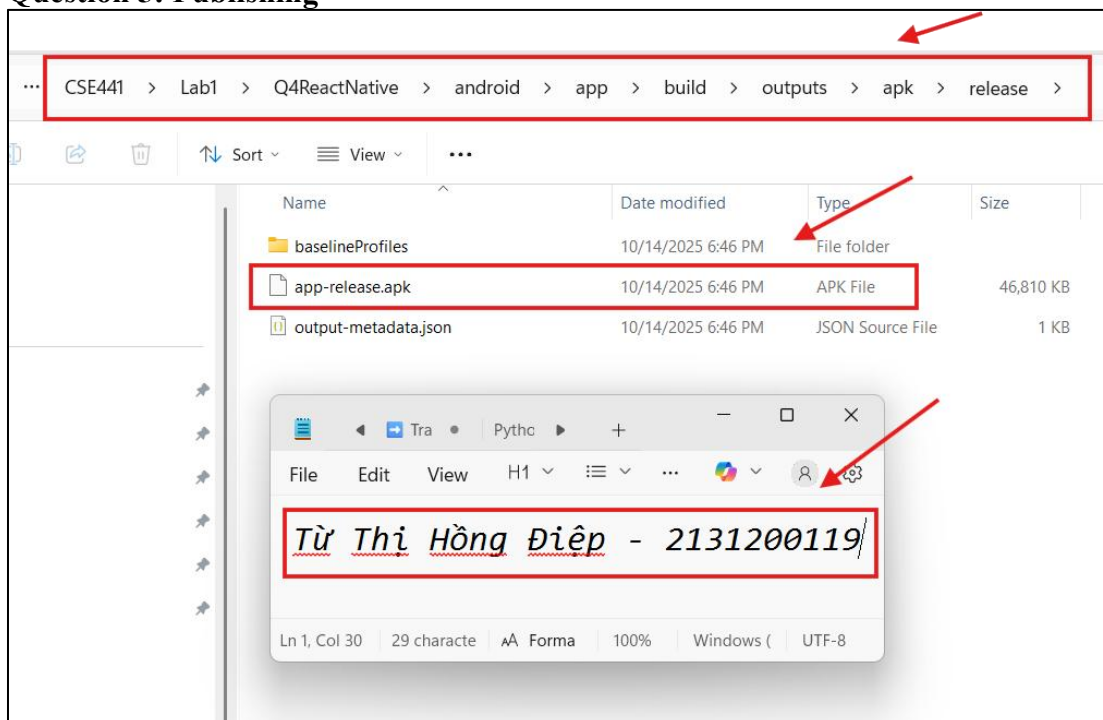
Question 3: Create Expo CLI apps

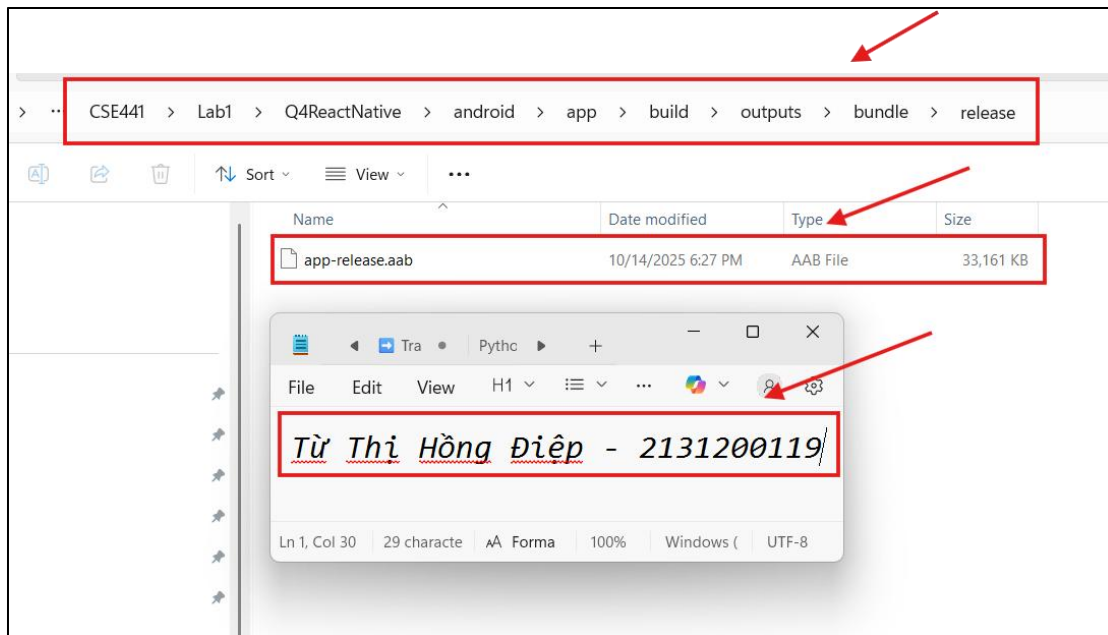


Question 4: Create React native CLI apps



Question 5: Publishing





Question 6: Build apps with props and state.

1. Build an employee information entry screen with: full name, age, occupation specialized in training and an update button (display success message) (Component, Props).

The screenshot shows an Android app interface with an 'Employee Form'. The form has three input fields: 'Full Name' (containing 'Diep Tu Thi Hong'), 'Age' (containing '22'), and 'Occupation' (containing 'Student'). Below the fields is a blue 'UPDATE' button. The form is titled 'Employee Form' and is part of a larger app interface that also includes a 'The sum of 2 digits' section and a 'Find the Minimum of 3 Numbers' section.

The screenshot shows the same Android app interface as the previous one, but with a success message overlay. The message says 'Success: Employee Diep Tu Thi Hong updated successfully!' and has an 'OK' button. The 'Employee Form' is still visible in the background, showing the same input fields and the 'UPDATE' button. The form is titled 'Employee Form' and is part of a larger app interface that also includes a 'The sum of 2 digits' section and a 'Find the Minimum of 3 Numbers' section.

2. Write a program to sum the first digit and the last digit of a number. (Component, State)

Mobile app screenshot showing the 'The sum of 2 digits' section. The 'Enter a number:' field contains '562'. The 'CALCULATE SUM' button is highlighted. The 'Result:' field displays '7'. Below this is the 'Find the Minimum of 3 Numbers' section with three input fields and a 'FIND MINIMUM' button. At the bottom is the 'Hailstone Sequence' section with an 'Enter a positive number:' field containing 'e.g. 7'.

Mobile app screenshot showing the 'The sum of 2 digits' section. The 'Enter a number:' field is empty. The 'CALCULATE SUM' button is highlighted. The 'Result:' field displays 'Please enter at least 2 digits'. Below this is the 'Find the Minimum of 3 Numbers' section with three input fields and a 'FIND MINIMUM' button. At the bottom is the 'Hailstone Sequence' section with an 'Enter a positive number:' field containing 'e.g. 7'.

3. Write a program to find the minimum between three numbers. (Component & state)

Mobile app screenshot showing the 'Find the Minimum of 3 Numbers' section. The 'Enter number 1:' field contains '67', 'Enter number 2:' contains '87', and 'Enter number 3:' contains '90'. The 'FIND MINIMUM' button is highlighted. The 'Result:' field displays '67'. Above this is the 'The sum of 2 digits' section with an 'Enter a number:' field and a 'CALCULATE SUM' button. The 'Result:' field displays 'Please enter at least 2 digits'. At the bottom is the 'Hailstone Sequence' section with an 'Enter a positive number:' field containing 'e.g. 7'.

Mobile app screenshot showing the 'Find the Minimum of 3 Numbers' section. The 'Enter number 1:' field contains '67', 'Enter number 2:' contains '87', and 'Enter number 3:' contains '90'. The 'FIND MINIMUM' button is highlighted. The 'Result:' field displays 'Please enter valid numbers in all fields'. Above this is the 'The sum of 2 digits' section with an 'Enter a number:' field and a 'CALCULATE SUM' button. The 'Result:' field displays 'Please enter at least 2 digits'. At the bottom is the 'Hailstone Sequence' section with an 'Enter a positive number:' field containing 'e.g. 7'.

4. Write a program that displays the Hailstone sequence: With some positive number ($n > 0$): (Component & State)
- If n is an even number, divide by 2.
 - If n is an odd number, multiply it by 3 and add 1.
 - Repeat two steps above until n equals 1.

The screenshot shows a mobile app interface with three sections. The first section, 'The sum of 2 digits', has an input field with an empty box and a 'CALCULATE SUM' button; below it, a green message says 'Result: Please enter at least 2 digits'. The second section, 'Find the Minimum of 3 Numbers', has three input fields with values 67, an empty box, and 90, and a 'FIND MINIMUM' button; below it, a green message says 'Result: Please enter valid numbers in all fields'. The third section, 'Hailstone Sequence', has an input field with the value 7 and a 'GENERATE SEQUENCE' button. Below the button, the sequence is displayed: 7 → 22 → 11 → 34 → 17 → 52 → 26 → 13 → 40 → 20 → 10 → 5 → 16 → 8 → 4 → 2. A red rectangle highlights the 'Hailstone Sequence' section.

The screenshot shows the same mobile app interface as the previous one, but with error messages. In the 'Hailstone Sequence' section, the input field contains the value -7, which is highlighted with a yellow box. A red arrow points from the 'GENERATE SEQUENCE' button to a yellow box containing the message 'Please enter a positive number'. Another red arrow points from the top of the 'Hailstone Sequence' section to the input field. The other sections remain the same as in the previous screenshot.