IST 363

# Lab 10 – Jaspreet Singh

## react 1

1. paste screenshot here
   1. A screen shot of a computer screen

      AI-generated content may be incorrect.
2. paste screenshot here
   1. A screen shot of a computer program

      AI-generated content may be incorrect.
3. paste screenshot here
   1. A screen shot of a computer

      AI-generated content may be incorrect.
4. paste screenshot here
   1. A computer screen with text on it

      AI-generated content may be incorrect.
5. paste screenshot here
   1. A screen shot of a computer screen

      AI-generated content may be incorrect.
6. Write brief answers to the questions below

a. React components are reusable, pieces of UI that help in making and managing web applications. These components allow for more improved scalability as well as maintainability.

b. React components need to start with an uppercase letter because it helps to differentiate the components from HTML elements since lowercase letters are treated as HTML tags.

c. JSX allows for a user to write HTML like code in JavaScript and it differs from HTML because it uses camel case syntax.

d. It is because in JSX, class is reserved as a JavaScript keyword, so React uses className to assign.

e. <p>The persons first name is {firstName}</p>

f. Benefits of breaking a large React component into smaller components include better readability and maintenance, ease of reusability, and easier debugging and testing.

g. You should consider refactoring a react component into multiple components when a component becomes too large or complex.

h. Yes, you can reuse the same component multiple times in React.

Ex: <Student name=“Sam” /> this also works with <Student name="Rex” />

i. React handles form elements by using controlled components where a user’s values, they inserted, are tied into a state. This then updates and keeps the state in check with the form.