University of Technology and Applied Sciences- Nizwa
Information Technology Department
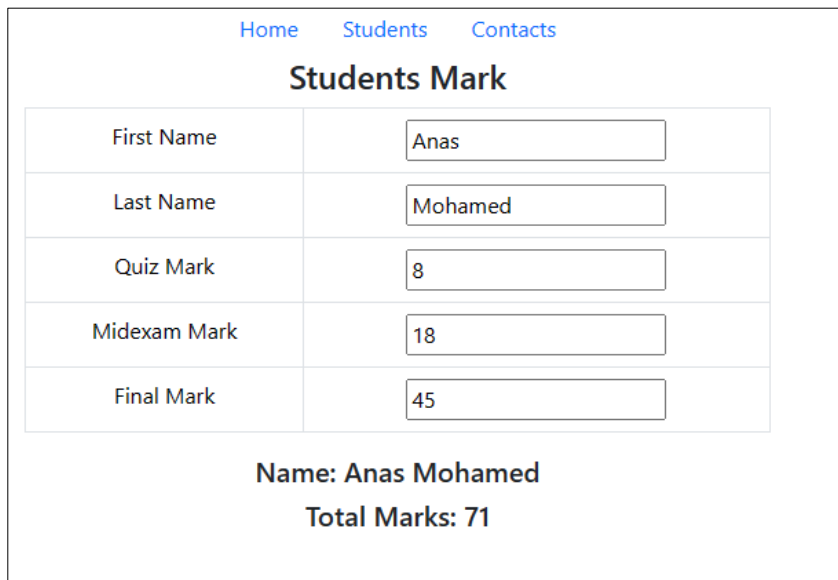
CSSE3101 – ADVANCED WEB TECHNOLOGIES

Exercise 6 – React Basics (Components, Routers, Hooks and Lists)

Create a React application that computes the total marks of the students.

Part 1 – Creating Components

1. Create a new react app: **studentmarks**
2. Create a folder **Components** and create the following components inside the created folder. Refer to the screenshots for the content for each component.
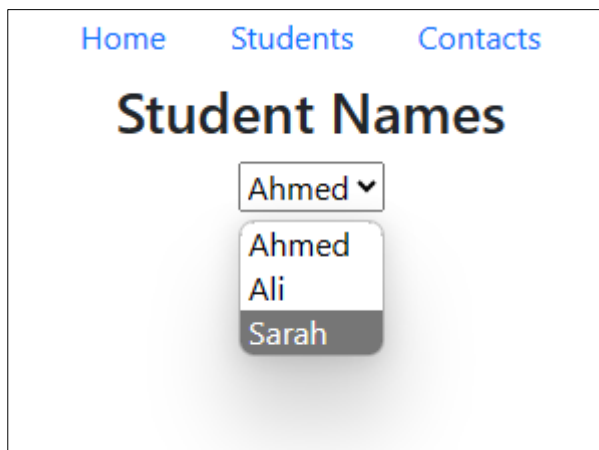   a. **Home**

   b. **StudentsList**

Part 2 – Creating Routes

3. Update your App.js and use the React Router to create routes to the two components.
    a. `/-` render the **Home** component
    b. `/stdlist-` render the **StudentsList** component
    c. `/contacts` - render the **Contacts** component

Part 3 – Creating Hooks

4. In the **Home** component:
    a. Create the appropriate code needed to implement the functionality as shown in the video.

Part 4 – Using list and map() function

5. In the **StudentsList** component:
    a. Create a list of students with at least 5 default values.
    b. Display these students in select when the page renders.

Part 5 – Creating Contacts component

6. Create a Contact component to show your contact details..