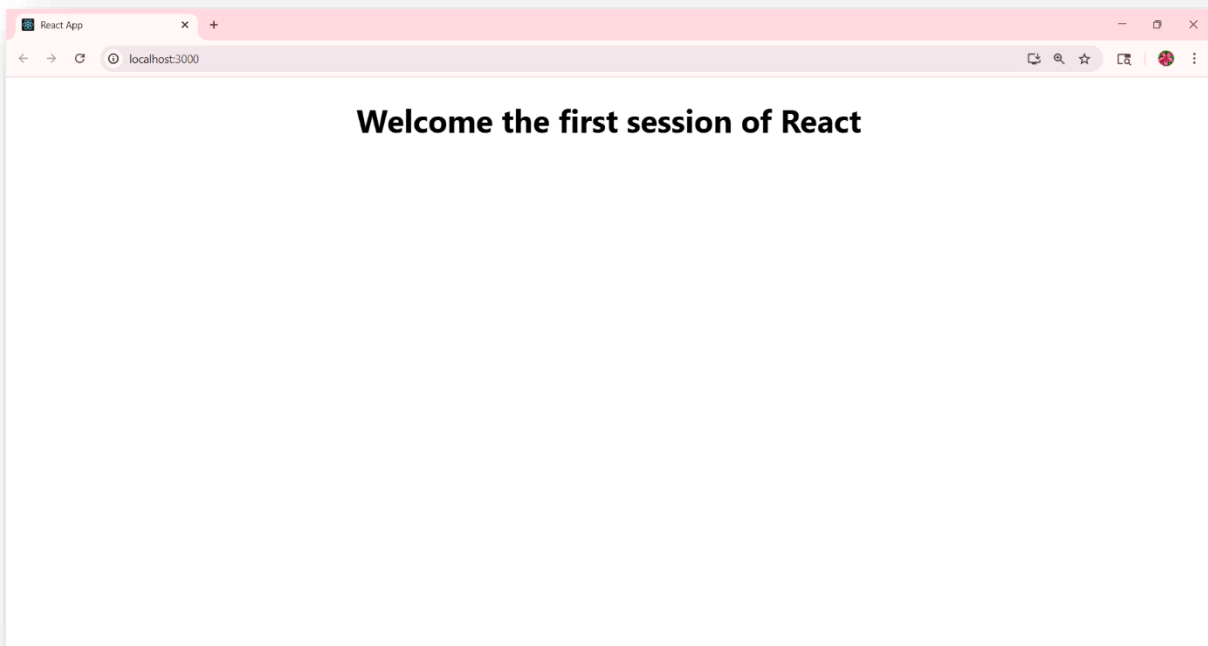


WEEK 6

REACT

OUTPUT SNAPSHOTS:

1. Create a new React Application with the name “myfirstreact”, Run the application to print “welcome to the first session of React” as heading of that page.



```
Windows PowerShell
Microsoft Windows [Version 10.0.22631.5472]
(c) Microsoft Corporation. All rights reserved.

C:\WEEK_5\myfirstreact>npm start

> myfirstreact@0.1.0 start
> react-scripts start

(node:29028) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use 'node --trace-deprecation ...' to show where the warning was created)
(node:29028) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

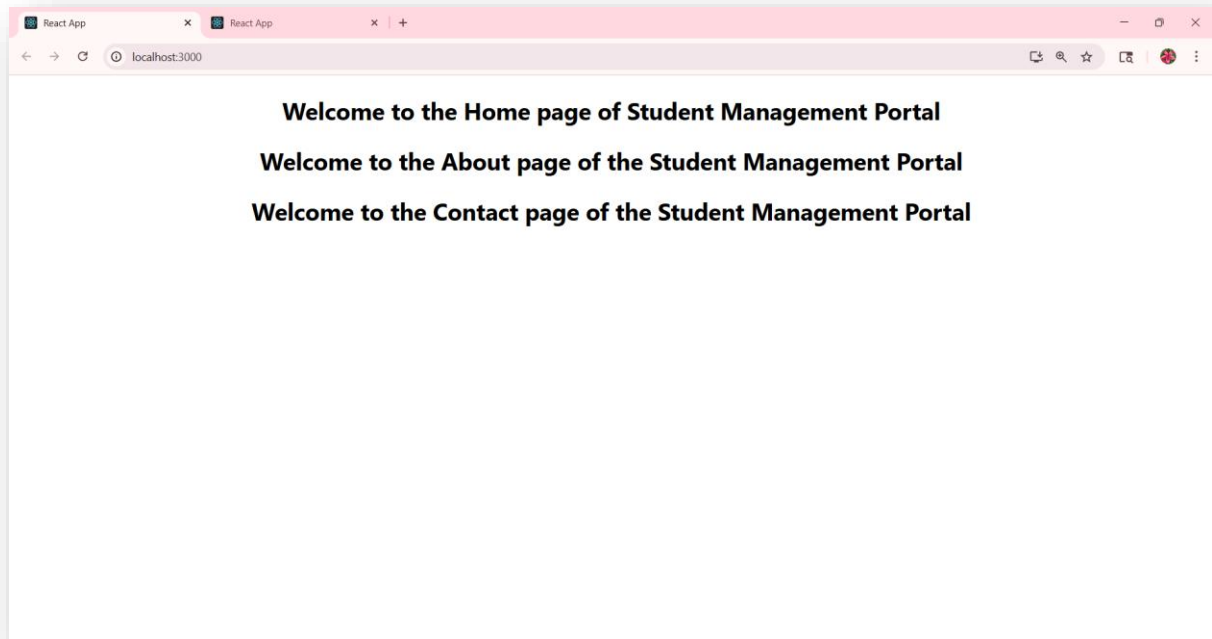
You can now view myfirstreact in the browser.

  http://localhost:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

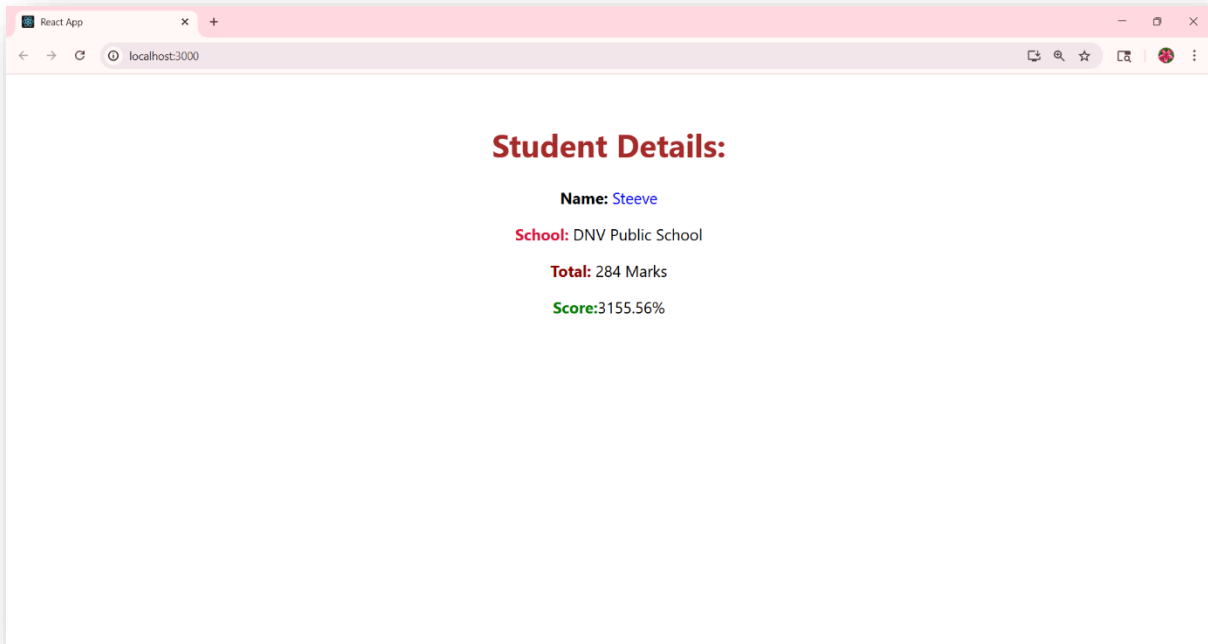
webpack compiled successfully
```

2. Create a react app for Student Management Portal named StudentApp and create a component named Home which will display the Message “Welcome to the Home page of Student Management Portal”. Create another component named About and display the Message “Welcome to the About page of the Student Management Portal”. Create a third component named Contact and display the Message “Welcome to the Contact page of the Student Management Portal”. Call all the three components.



```
C:\Windows\System32\cmd.exe x + v
You can now view studentapp in the browser.
  http://localhost:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
Compiling...
Compiled successfully!
You can now view studentapp in the browser.
  http://localhost:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
Compiling...
Compiled successfully!
You can now view studentapp in the browser.
  http://localhost:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
Compiling...
Compiled successfully!
You can now view studentapp in the browser.
  http://localhost:3000
Note that the development build is not optimized.
To create a production build, use npm run build.
webpack compiled successfully
```

3. Create a react app for Student Management Portal named scorecalculatorapp and create a function component named “CalculateScore” which will accept Name, School, Total and goal in order to calculate the average score of a student and display the same.



```
Windows PowerShell
C:\WEEK_5\ex>cd scorecalculatorapp
C:\WEEK_5\ex\scorecalculatorapp>npm start

> scorecalculatorapp@0.1.0 start
> react-scripts start

(node:12848) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use 'node --trace-deprecation ...' to show where the warning was created)
(node:12848) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

You can now view scorecalculatorapp in the browser.

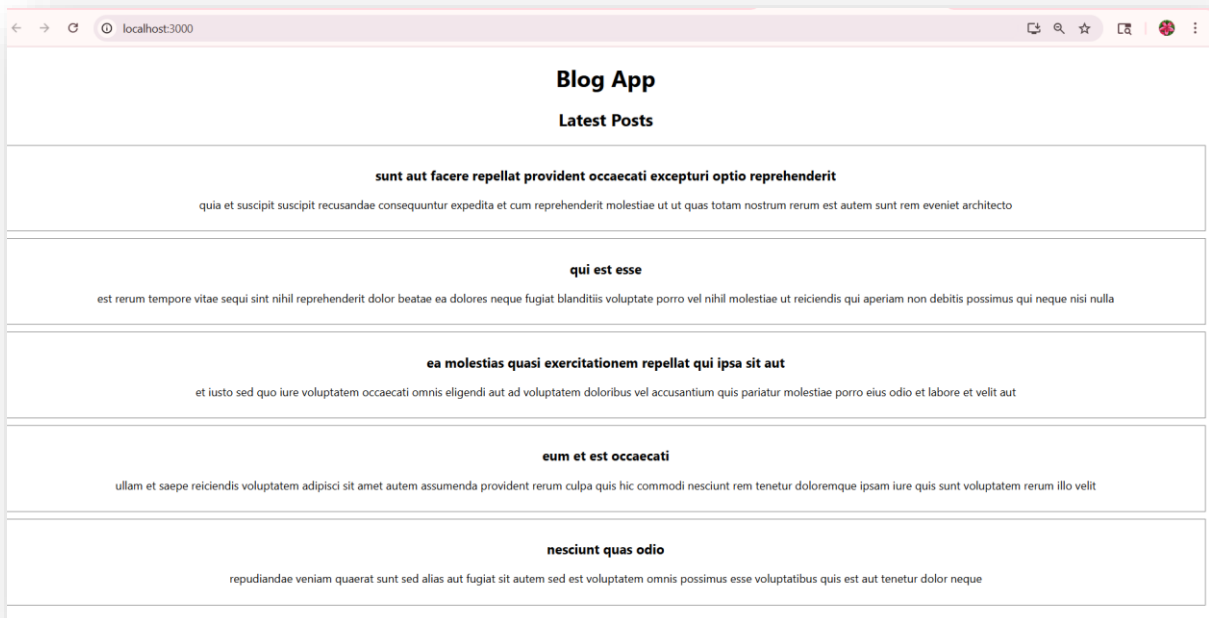
  http://localhost:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

4.

- Implement componentDidMount() hook
- Implementing componentDidCatch() life cycle hook.



```
Windows PowerShell
C:\WEEK_5\ex>cd blogapp
C:\WEEK_5\ex\blogapp>npm start
> blogapp@0.1.0 start
> react-scripts start

(node:8276) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use 'node --trace-deprecation ...' to show where the warning was created)
(node:8276) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

You can now view blogapp in the browser.

  http://localhost:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

5.

- Style a react component
- Define styles using the CSS Module
- Apply styles to components using className and style properties



```
Windows PowerShell
C:\WEEK_5\ex\cohorttracker>npm start

> cohorttracker@0.1.0 start
> react-scripts start

(node:6456) [DEP_WEBPACK_DEV_SERVER_ON_AFTER_SETUP_MIDDLEWARE] DeprecationWarning: 'onAfterSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
(Use 'node --trace-deprecation ...' to show where the warning was created)
(node:6456) [DEP_WEBPACK_DEV_SERVER_ON_BEFORE_SETUP_MIDDLEWARE] DeprecationWarning: 'onBeforeSetupMiddleware' option is deprecated. Please use the 'setupMiddlewares' option.
Starting the development server...
Compiled successfully!

You can now view cohorttracker in the browser.

  http://localhost:3000

Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
|
```