

PE_FER202_SP24_01

SPR 2024

Subject: FER202

Duration: 85 minutes

INSTRUCTIONS

Please read the instructions carefully before doing the questions.

- You are **NOT allowed** to use any other materials. You are **NOT allowed** to use any device to share data with others.
- You must use IDE as **Visual Studio Code** for your development tools.

IMPORTANT – Before you start doing your solution, MUST do the following steps:

1. Create Folder named **FER202_PE_SP24** and open it in Visual Studio Code.
 2. Create your app use React 18 Create React App.
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Task 1: Create a TodoList application (4 points)

Let's create a TodoList application using ReactJS with the following features:

1. (2 mark) Displays a list of tasks to do.
2. (1 mark) Allows users to add new jobs.
3. (0.5 mark) Allows users to mark work as completed.
4. (0.5 mark) Allows users to delete jobs.

Task 2: Calculate the area of a square (4 points)

Let's write a ReactJS component to calculate and display the area of a square. Use an input for the user to enter the number n and a button to calculate and display the corresponding area.

Attach a link to open from your TodoList app.

Task 3: Display current date and time (2 points)

Let's write a ReactJS component to display the current date and time of the computer. Use it for display in your TodoList application.

Note:

Pay attention to component placement and use props and state effectively.

Your code needs to be clearly organized and easy to read.

Make sure to handle special cases and errors appropriately.