**ASSIGNMENT**

# Objective:

This exam aims to assess students' knowledge and skills in ReactJS after completing the course. The objective of the exam is to evaluate students' ability to use ReactJS to build a simple web application and understand the basic concepts and functionalities of ReactJS.

# Testing Skills:

Understanding the concepts and usage of ReactJS components.

Handling state and props in ReactJS.

Using ReactJS lifecycle methods.

Creating and managing forms in ReactJS.

Using React Router for navigation in ReactJS applications.

# Guidelines:

## Activity 1: Building a Simple ReactJS Application to Display a Product List from an API (3 points)

* Use fetch or axios to retrieve data from the API.
* Display the product list on the interface.
* Handle errors when unable to fetch data from the API.

## Activity 2: Implementing the Functionality to Add and Delete Products from the List (3 points)

* Add the functionality to add a new product to the list.
* Add the functionality to delete a product from the list.

## Activity 3: Creating a Product Detail Page and Implementing the Edit Product Functionality (2 points)

* Create a product detail page to display detailed information about a product.
* Implement the functionality to edit the product information.

# Conclusion:

This exam aims to evaluate students' ability to use ReactJS to build a simple web application. Students will be tested on their understanding of the basic concepts of ReactJS, their ability to handle state and props, use lifecycle methods, create and manage forms, and use React Router for navigation in ReactJS applications.

Note: The use of Redux, Redux Thunk, and Redux Toolkit will earn an additional 2 points