

## Redux Assignment

### A. MCQs

1. Predictability of Redux is determined by \_\_\_\_\_ most important principles. List and explain the principles in brief.

- A. Two
- B. Three
- C. Four
- D. Five

2. What is not true about Redux state management library?

- A. Redux is a predictable state container for JavaScript apps.
- B. Redux fundamental principles help in maintaining consistency throughout your application
- C. Redux makes debugging and testing easier
- D. Redux cannot have more than one reducer for updating the store.

3. \_\_\_\_\_ is a plain object that describes the intention to cause change with a type property.

- A. class
- B. plain
- C. action
- D. object

4. Redux store is an \_\_\_\_\_ object tree in Redux.

- A. immutable
- B. mutable

C. Both A and B

D. None of the above

5. We can have \_\_\_\_\_ Redux store(s) in our React application.

A. single

B. double

C. multi

D. None of the above

6. Which method helps you get the current state of your Redux store?

A. dispatch

B. subscribe

C. action

D. getState

7. Reducers are a pure function in Redux.

A. TRUE

B. FALSE

C. Can be true or false

D. Can not say

8. Which method allows you to dispatch an action to change a state in your application?

A. getState

B. setState

C. dispatch

D. subscribe

## **B. Coding Assignment**

1. Create a users' dashboard for listing and showing the users on the screen in a tabular. Features of the app should include -

- a. Empty table if no user is added.
- b. Dropdown listing all the users. Option items should include userID and userName.
- c. Client can select the user from dropdown and the user should show in the table.
- d. Table has four columns – ID, UserName, Name of user, Email ID.
- e. Option to remove the user from table, which makes it appear in the dropdown list again.
- f. All the data should be stored in the redux, and each action dispatch for store update should be recorded with the help of Redux DevTools.
- g. Use Redux Toolkit version. Make async service calls using action thunks and store data using dispatchers.
- h. Update the code in github and paste the link in the document for review.

(Use the following free api for getting user data -

<https://jsonplaceholder.typicode.com/users> )

(Add screenshots here for proof of completion)