# Redux Quiz (Intro)

This quiz is NOT graded. Please take it as an opportunity to assess yourself and see how much you have learnt and how much efforts you would need to fully understand Redux.

*Required

## A reducer may not always change the state *

◉ True

○ False

# We can dispatch an action by *

Choose one or more options.

- [ ] Redux.dispatch(action)
- [x] store.disptach(action)
- [ ] an action creator

# What is wrong with the reducer shown in the image below? *

Choose one or more options.

```
1    function counterReducer(state, action){
2        switch(action.type){
3            case 'INCREMENT':
```

```
 5
 4            return state.count + 1;
 5          default:
 6            return state;
 7        }
 8      }
```

- [x] The state is being mutated(changed) directly

- [ ] The correct state is not returned

- [ ] Everything is all right

- [ ] The count is not decremented

To specify how the state is transformed by actions, *

- ( ) You create pure reducers

- ( ) You subscribe to the store

- (●) You create pure action creators

How can we update the UI based on the changes in application state? *

◉ By subscribing to the store

○ By calling the action creator

○ By dispatching an action

A reducer is a pure function that accepts *

○ two arguments: currentState and action

○ two arguments: previousState and currentState

◉ two arguments: currentState and action type

## A reducer *

Choose one or more options.

- [x] is a pure function
- [x] specify how the application state changes in response to actions
- [x] returns a new state based on an action

## A reducer returns the same state (i.e. does not change it) when *

- (•) An unknown action is occurred
- ( ) The state size exceeds its limit
- ( ) The store is not subscribed

Redux can be used for managing multiple states. *

○ True

● False

Changes to Redux state can only be made by dispatching an action. *

○ False

● True

Have we used action creators till now? *

○ Definitely not!

● Yes of course!

store.subscribe() is called every time the state is changed *

○ True ●

○ False

When an action is dispatched, the store sends it with the current state to all the reducers. *

○ True

○ False

We can get the redux state by using: *

○ Redux.getState()

○ store.getState()

○ store.state

## State being immutable means you cannot change it directly. *

○ True

○ False

## Initial state in Redux can be set by *

Choose one or more options.

☐ passing initial state to Redux.createStore() as a 1st argument

☐ passing initial state to Redux.createStore() as a 2nd argument

☐ Redux.setInitialState(initial_state)

Subscribing to the store means: *

○ Listening to the actions being dispatched

○ Listening to the changes in state

○ Listening to the reducers

A listener is just a function that is called by the store every time the state is changed *

○ True

○ False

We can use multiple reducers. *

◯ True

◯ False

Redux is a state management library for *

◯ Angular

◯ React

◯ Javascript

○ All of the other options

## store.subscribe() is *

○ a function that accepts a listener to be subscribed

○ a function that takes an object as an argument and returns a listener

## An action is *

○ a plain object

○ a pure function

○ a DOM event

## Redux is hugely influenced from *

○ React

○ Flux

○ WordPress Redux Framework

## What is true about redux store? *
Choose one or more options.

☐ It is a plain object which holds the application state

☐ It is the Redux state itself

☐ It provides us functions to manage the application state

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