WHAT IS
REDUX?
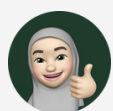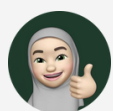
REDUX

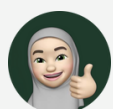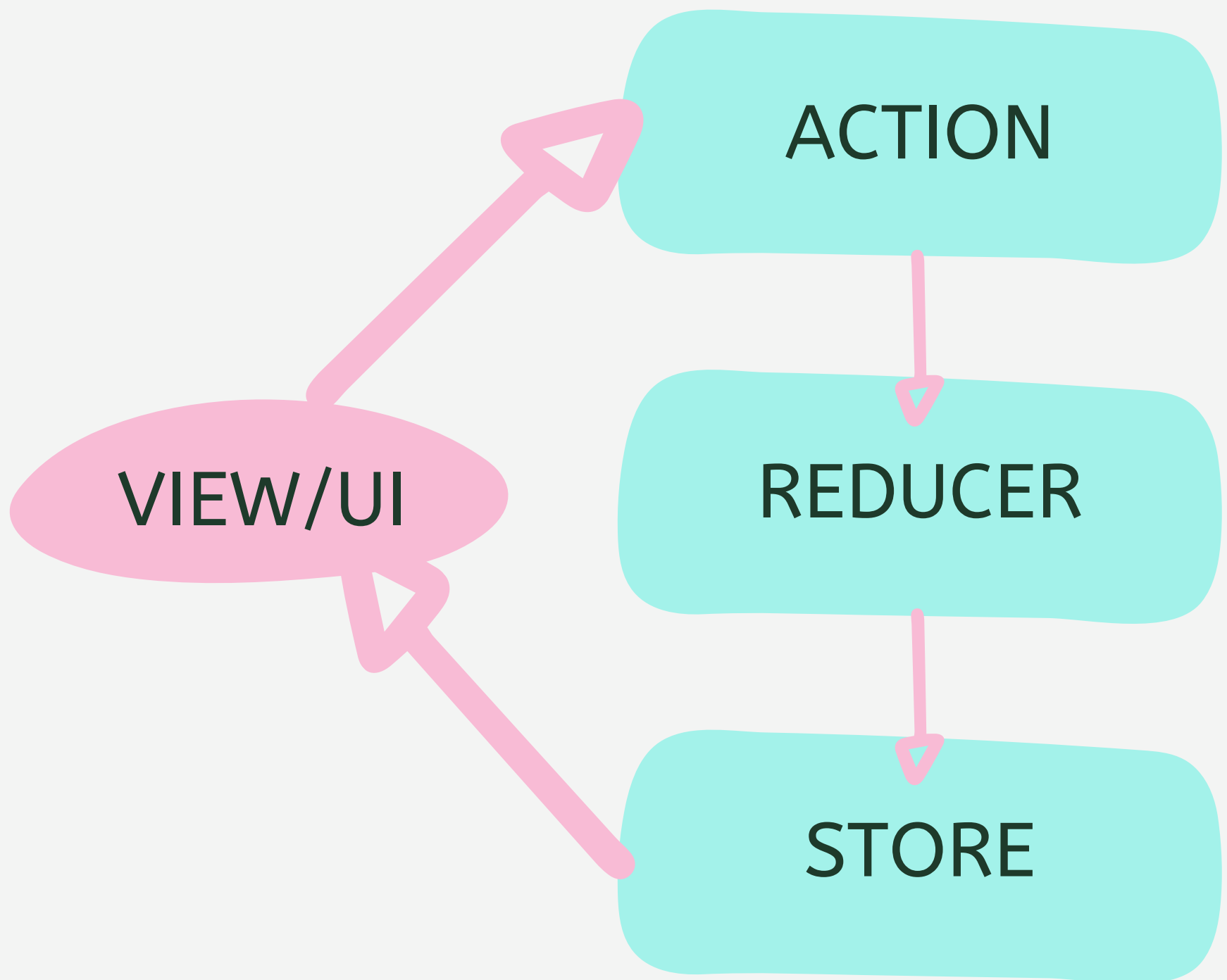**Redux** is predictable **state** container.

It **stores** the entire **state** of an application in one, **centralized location.**

To make change in **state** we need to **dispatch** an **action** which describes what **changes** we want to make in the state.

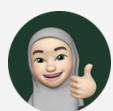# Anatomy of Redux

ACTION

REDUCER

STORE

VIEW/UI

Actions

Actions are simple **JavaScript object** which contains **information**.

```
{
  type: 'ADD_USER',
  user:user
}
```

We have **action creators**, functions which are used to create **actions**, it returns actions

```
function addUser(user){
  return {
    type:"ADD_USER",
    user:user
  }
}
```
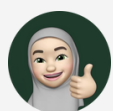
Reducer

Reducer tells **How to do it?** whole logic is defined in **reducers**

Reducers are functions which takes **initial state, action to perform** & **return new state.**

```js
function user(users = [], action) {

  if (action.type === 'ADD_USER') {
    return [...users, action.user];
  }
  return users;
}
```
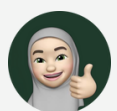
Store

Store is object which holds **state** of the **application**.

createStore(reducer) – To create a store

dispatch(action) -To change the state

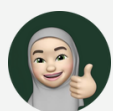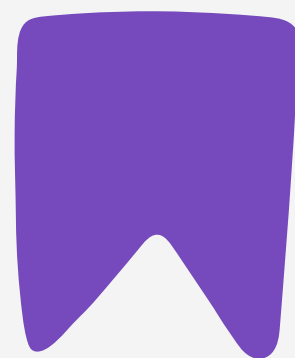getState() – for getting current state of store.

```
// Creating store (reducer as argument)
const store = createStore(user);
//dispatch action
store.dispatch(addUser('Atia'));
// getState() is used to get current state
console.log(store.getState());
```

DID YOU LEARN SOMETHING NEW?

SAVE IT FOR LATER

Found it helpful? Follow for more

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❤️ ➡️ 🔖

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