

Exercise (Instructions): Redux Adding Favorites

Objectives and Outcomes

In this exercise you will learn about setting up your Redux store to store the user's favorites and update them. At the end of this exercise you will be able to:

- Set up a new property in the Redux store to track the favorites
- Set up actions to add new favorites to the store

Adding Favorites

- First, set up a new actions by adding the following to ActionTypes.js:

```
1  ...
2
3  export const POST_FAVORITE = 'POST_FAVORITE';
4  export const ADD_FAVORITE = 'ADD_FAVORITE';
```

- Then, add a new reducer in a file named favorites.js in the redux folder:

```
1  import * as ActionTypes from './ActionTypes';
2
3  export const favorites = (state = [], action) => {
4    switch (action.type) {
5      case ActionTypes.ADD_FAVORITE:
6        if (state.some(el => el === action.payload))
7          return state;
8        else
9          return state.concat(action.payload);
10
11      default:
12        return state;
13    }
14  }
15
16  import { favorites } from './favorites';
17
18  ...
19
20  combineReducers({
21    dishes,
22    comments,
23    promotions,
24    leaders,
25    favorites
26  }),
27
28  ...
```

- Then update ActionCreators.js with new actions creators as follows:

```
1  ...
2
3
4  export const postFavorite = (dishId) => (dispatch) => {
5
6    setTimeout(() => {
7      dispatch(addFavorite(dishId));
8    }, 2000);
9  };
10
11
12  export const addFavorite = (dishId) => ({
13    type: ActionTypes.ADD_FAVORITE,
14    payload: dishId
15  });
```

- Then, update DishdetailComponent.js as follows:

```
8  const mapStateToProps = state => {
9    return {
10     dishes: state.dishes,
11     comments: state.comments,
12     favorites: state.favorites
13   }
14 }
15
16 const mapDispatchToProps = dispatch => ({
17   postFavorite: (dishId) => dispatch(postFavorite(dishId))
18 })
19
20 ...
21
22 ...
23
24 ...
25
26 ...
27
28 ...
29
30 ...
31
32 export default connect(mapStateToProps, mapDispatchToProps)(DishDetail);
```

- Save all the changes and do a Git commit with the message "Redux Adding Favorites"

Conclusions

In this exercise you learnt to set up a new property in the Redux store and set up actions to update it.

Mark as completed