**SOLUTION**

**Step 1:** In ***"actions/index.js"*** file, update the action function of getRandomImages() to transfer the data from API to the reducer by using dispatch (Note: it is similar to 'asyncIncrease' action )

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| var getRandomImages = function(dispatch, state){  dispatch({ type: 'IMAGES\_LOADING' });  var imgurAPI = "https://api.imgur.com/3/gallery/random/random/1";  $.getJSON( imgurAPI)  .done(function( data ) {  dispatch({ type: 'IMAGES', data:data.data});  }); |

**Step 2:**

1. Creating file ***"images.js"*** in ***"reducers"*** directory. Create a sub-reducer function named 'images' in this file to handle the action at step 1.

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| function images(currentState, action){  var DEFAULT\_STATE = {data:[], loading:"Please click the 'Random Images' button"};  var nextState = Object.assign({},currentState);  if (currentState === undefined) { // look at to Note 1.1  nextState = DEFAULT\_STATE;// Note1.2  return nextState;  }  switch (action.type) {  case 'IMAGES': // look at Note2.1  nextState.data = action.data  nextState.loading = "loaded";  return nextState;// Note2.2  case 'IMAGES\_LOADING': // look at Note2.1  nextState.loading = "loading...";  return nextState;// Note2.2  default:  nextState = currentState;  return nextState;  }  } |

In the ***"index.html"*** file, adding the library for the above file.

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| …  <script src="reducers/sum.js"></script>  <script src="reducers/images.js"></script>  <script src="reducers/index.js"></script>  … |

b. In the ***"reducers/index.js"*** file, using the image() function from the "step 2.a" to add the "images" property to the main state.

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| …  nextState = {  count:counter(nextState.count, action),  - sum: sum(nextState.sum, action)  sum: sum(nextState.sum, action),  images: images(nextState.images, action)  }  … |

(Note: it is similar to sub-reducer function of 'sum')

Step 3: In ***''index.js"*** file, adding the below code in the render() function to apply the "images" property in the State in order to show images on browser

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| function render() {  ...  // image  document.getElementById('imagesStatus').innerHTML = state.images.loading;  if(state.images.loading =="loading…"){  document.getElementById('imagesList').innerHTML = "";  }  else if(state.images.loading =="loaded"){  for(var i=0; i< state.images.data.length; i++){  document.getElementById('imagesList').innerHTML  += ("<img src='" + state.images.data[i].link + "' style='height:200px'>");  }  }  ...  }; |