

React Js Assignments

Module 1-JavaScript Basic

- Q.1 Using `console.log()` print out the following statement: The quote 'There is no exercise better for the heart than reaching down and lifting people up.' by John Holmes teaches us to help one another. Using `console.log()` print out the following quote by Mother Teresa:
- Q.2 Check if `typeof '10'` is exactly equal to 10. If not make it exactly equal?
- Q.3 Write a JavaScript Program to find the area of a triangle?
- Q.4 Write a JavaScript program to calculate days left until next Christmas?
- Q.5 What is Condition Statement?
- Q.6 Find circumference of Rectangle formula : $C = 4 * a$?
- Q.7 WAP to convert years into days and days into years?
- Q.8 Convert temperature Fahrenheit to Celsius? (Conditional logic Question)
- Q.9 Write a JavaScript exercise to get the extension of a filename.?
- Q.10 What is the result of the expression $(5 > 3 \ \&\& \ 2 < 4)$?
- Q.11 What is the result of the expression $(\text{true} \ \&\& \ 1 \ \&\& \ \text{"hello"})$?
- Q.12 What is the result of the expression $\text{true} \ \&\& \ \text{false} \ || \ \text{false} \ \&\& \ \text{true}$?
- Q.13 Check Number Is Positive or Negative in JavaScript?
- Q.14 Find the Character Is Vowel or Not ?
- Q.15 Write to check whether a number is negative, positive or zero?
- Q.16 Write to find number is even or odd using ternary operator in JS?
- Q.17 Write find maximum number among 3 numbers using ternary operator in JS?
- Q.18 Write to find minimum number among 3 numbers using ternary operator in JS?
- Q.19 Write to find the largest of three numbers in JS?
- Q.20 Write to show
- Monday to Sunday using switch case in JS?
 - Vowel or Consonant using switch case in JS?

(Conditional looping logic Question)

Q.21 What are the looping structures in JavaScript? Any one Example?

Q.22 Write a print 972 to 897 using for loop in JS?

Q.23 Write to print factorial of given number?

Q.24 Write to print Fibonacci series up to given numbers?

Q.25 Write to print number in reverse order e.g.: number = 64728 ---> reverse
=82746 in JS?

Q.26 Write a program make a summation of given number (E.g., 1523 Ans: - 11) in JS?

Q.27 Write a program you have to make a summation of first and last Digit.
(E.g., 1234 Ans: - 5) in JS?

Q.28 Use console.log() and escape characters to print the following pattern in JS?

```
1 1 1 1 1
2 1 2 4 8
3 1 3 9 27
4 1 4 16 64
5 1 5 25 125
```

Q.29 Use pattern in console.log in JS?

```
1) 1
   1 0
   1 0 1
   1 0 1 0
   1 0 1 0 1
```

```
2) A
   B C D
   E F
   G H I J
   K L M N O
```

3) 1
 2 3
 4 5 6
 7 8 9 10
 11 12 13 14 15

4) *
 * *
 * * *
 * * * *
 * * * * *

Q.30 Accept 3 numbers from user using while loop and check each numbers
 palindrome

Q.31 Write a JavaScript Program to display the current day and time in the
 following format. Sample Output: Today is Friday. Current Time is 12 PM: 12 : 22
 2 ?

Q.32 Write a JavaScript program to get the current date?

Q.33 Write a JavaScript program to compare two objects?

Q.34 Write a JavaScript program to convert an array of objects into CSV string?

Q.35 Write a JavaScript program to capitalize first letter of a string?

Q. 45 Write a JavaScript program to determine if a variable is array?

Q.46 Write a JavaScript program to clone an array?

Q.47 What is the drawback of declaring methods directly in JavaScript objects?

Q.48 Print the length of the string on the browser console using console.log()?

Q.49 Change all the string characters to capital letters using toUpperCase()
 method?

Q.50 What is the drawback of declaring methods directly in JavaScript objects?

Q.51 Write a JavaScript program to get the current date. Expected Output :
 mm-dd-yyyy, mm/dd/yyyy or dd-mm-yyyy, dd/mm/yyyy?

Q.52 Use indexOf to determine the position of the first occurrence of a in
 30 Days Of JavaScript?

Q.53 Use `lastIndexOf` to determine the position of the last occurrence of a in 30 Days Of JavaScript?

Q.54 Form Validation in JS?

Q.55 Form in Email, number, Password, Validation?

Q.56 Dynamic Form Validation in JS?

Q.57 how many type of JS Event? How to use it ?

Q.59 What is Bom vs Dom in JS?

Q.60 Array vs object defences in JS?

Q.61 Split the string into an array using `split()` Method?

Q.62 Check if the string contains a word Script using `includes()` method?

Q.63 Change all the string characters to lowercase letters using `toLowerCase()` Method.

Q.64 What is Character at index 15 in '30 Days of JavaScript' string? Use `charAt()` method.

Q.65 copy to one string to another string in JS?

- Create basic math operation in JS

Maths Operations

Enter 1st number :

Enter 2nd number :

+

-

*

/

%

Answer is : 55

- Create result

Marksheet for Information Technology

Enter Marks

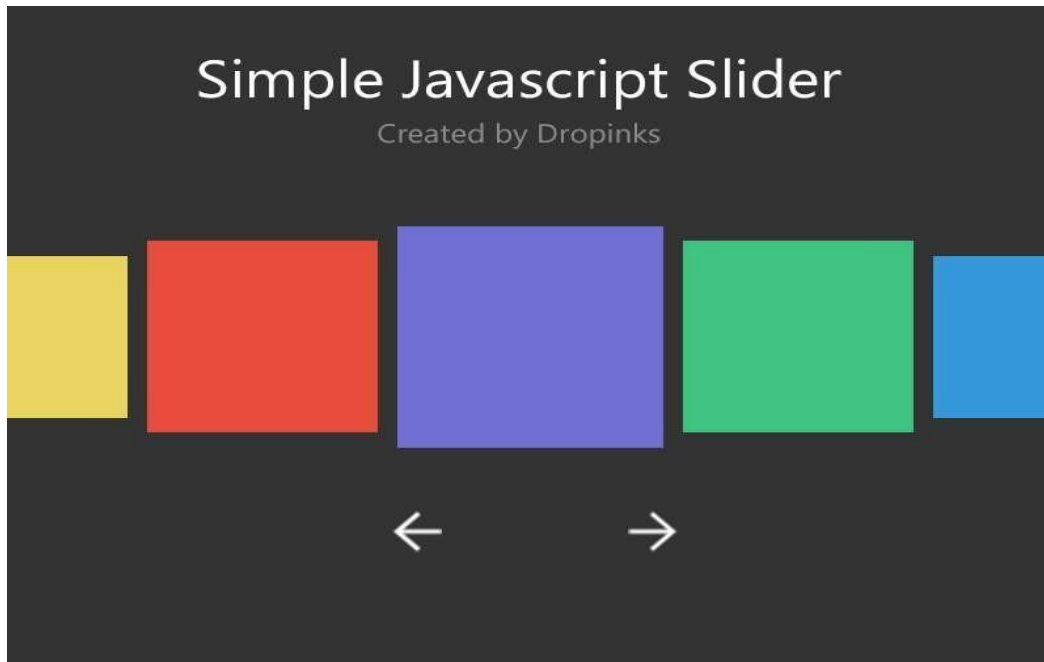
1. C Language	<input type="text" value="34"/>
2. C++ Language	<input type="text" value="44"/>
3. Database	<input type="text" value="22"/>
4. HTML	<input type="text" value="33"/>
5. CSS	<input type="text" value="45"/>
6. php	<input type="text" value="44"/>
7. Core java	<input type="text" value="50"/>

Result

Total is : 272 / 350

Percentage is : 78 %

- Create a slider using JavaScript



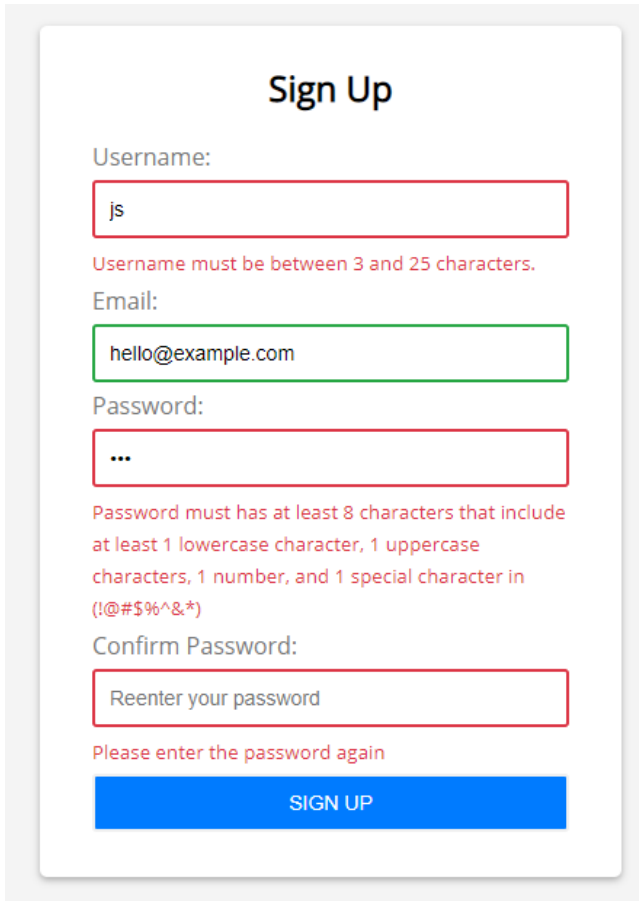
- Change background using java script



- Create a hide show password functionalities.



- Create a form and apply validations as shown in below example.



Sign Up

Username:

Username must be between 3 and 25 characters.

Email:

Password:

Password must has at least 8 characters that include at least 1 lowercase character, 1 uppercase characters, 1 number, and 1 special character in (!@#\$%^&*)

Confirm Password:

Please enter the password again

SIGN UP

- Create basic math operation in JS

Maths Operations

Enter 1st number :

Enter 2nd number :

+

-

*

/

%

Answer is : 55

- Create result

Marksheet for Information Technology

Enter Marks



1. C Language	<input type="text" value="34"/>
2. C++ Language	<input type="text" value="44"/>
3. Database	<input type="text" value="22"/>
4. HTML	<input type="text" value="33"/>
5. CSS	<input type="text" value="45"/>
6. php	<input type="text" value="44"/>
7. Core java	<input type="text" value="50"/>

Result

Total is : 272 / 350 Percentage is : 78 %

Module – 2 Advance JavaScript

- Calculate subtotal price of quantity show in below image

Product Info	Quantity	Price (per unit)	Price (subtotal)	
 Fortunata Window Hardware - Decorative Holdbacks - Mocha	<input type="text" value="2"/>	\$29.99	\$59.98	<button>Remove</button>
 Woven Trellis Window Hardware - Clip Rings - Bronze	<input type="text" value="1"/>	\$12.99	\$12.99	<button>Remove</button>
			\$72.97	

- Create below form and do apply validation show in below image

Form Validation JavaScript

Form Validation

Full Name

Email Address

Password

Enter your password

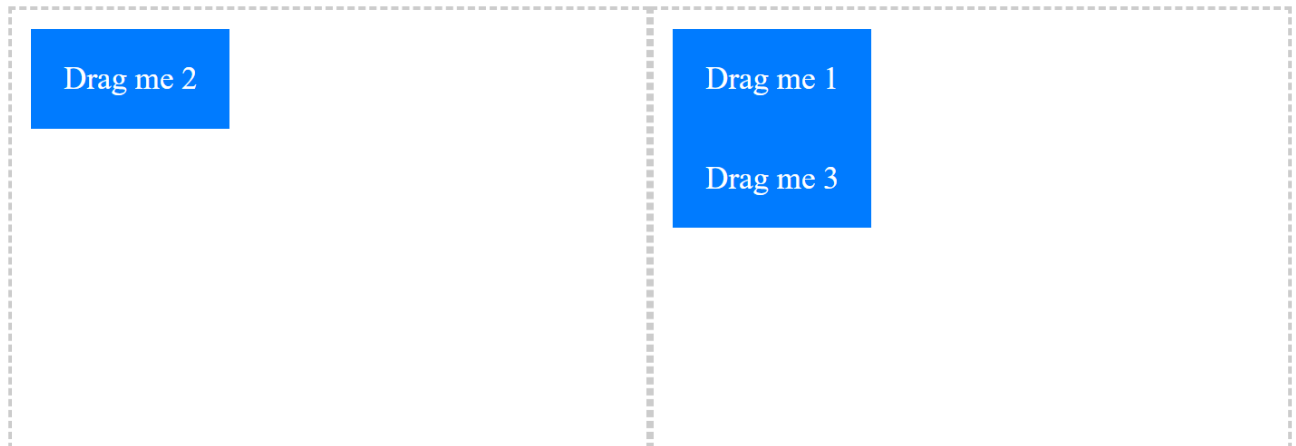
Birth Date

Select your date of birth

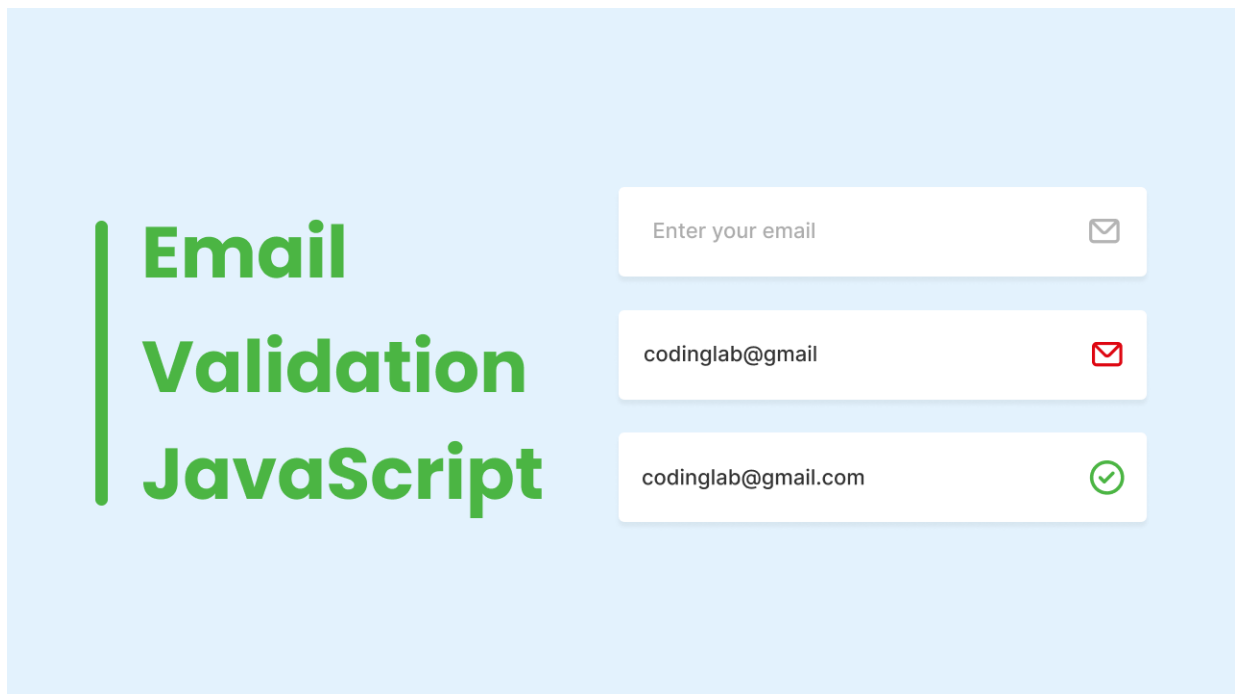
Gender

Select your gender

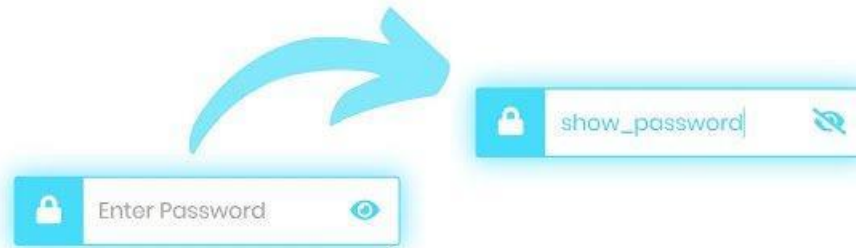
- Create two containers and drag from one to another show in below image



- Create Email validation program show in below image

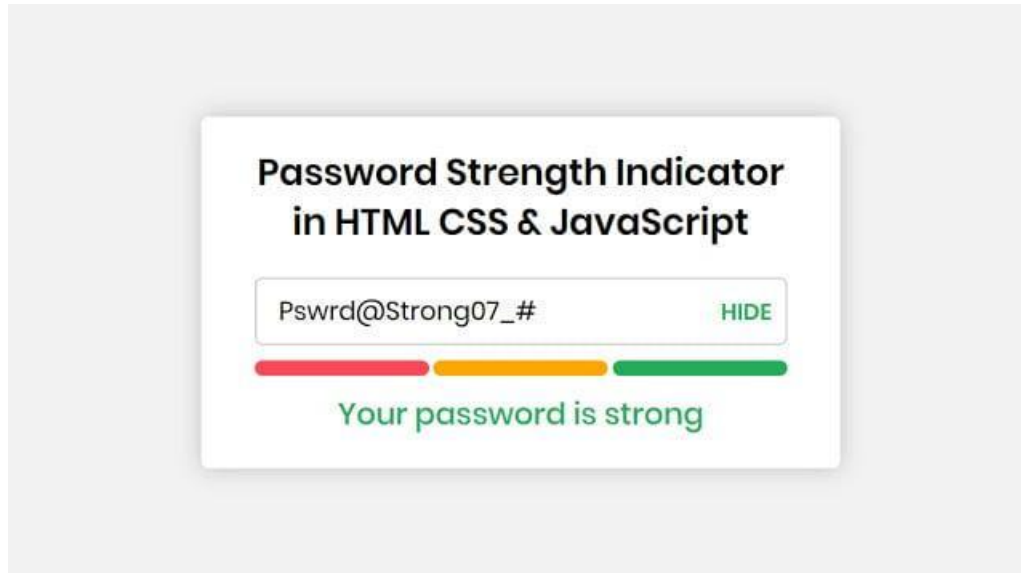


- Create Show and Hide password program show in below image

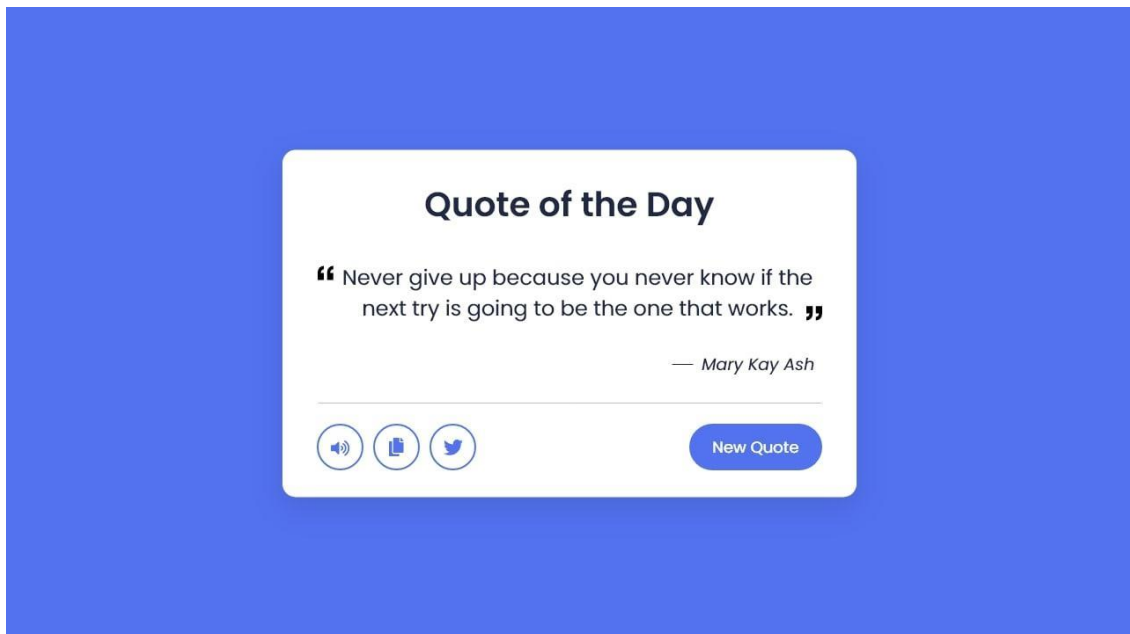


PASSWORD SHOW-HIDE HTML CSS & JAVASCRIPT

- Create Password Strength checker show in below image



- Create program to generate Random quote show in below image

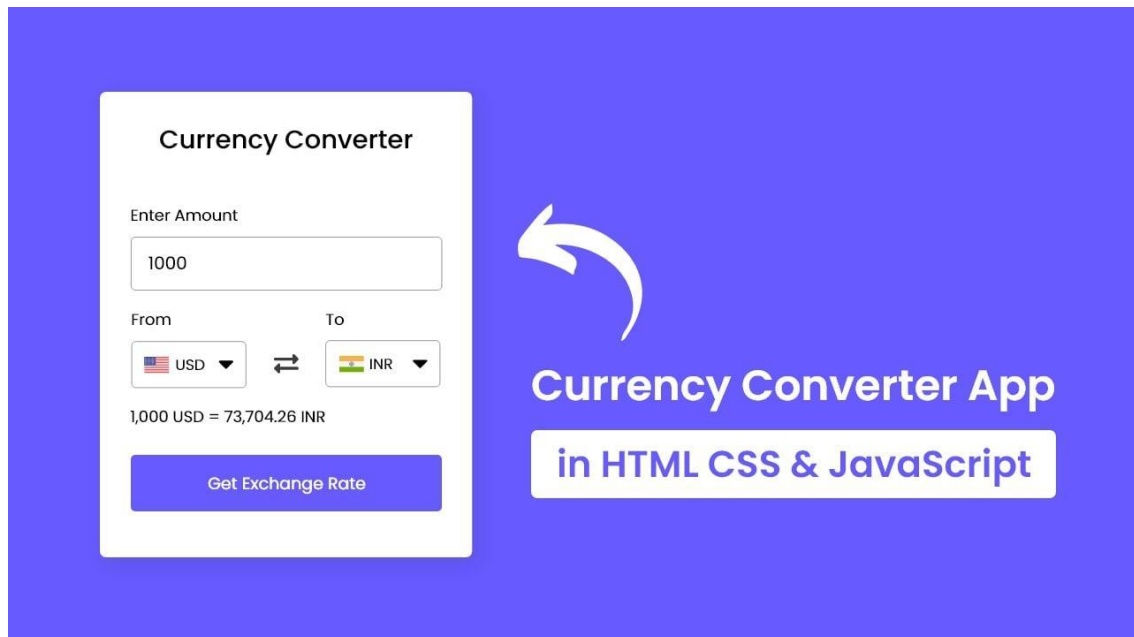


- Create program to Export html table to excel show in below image

Name	Age	Country
Alice	30	USA
Bob	25	UK
Charlie	35	Canada

Export to Excel

- Create Currency converter show in below image



- Delay function result using debouncing

You typed: hi

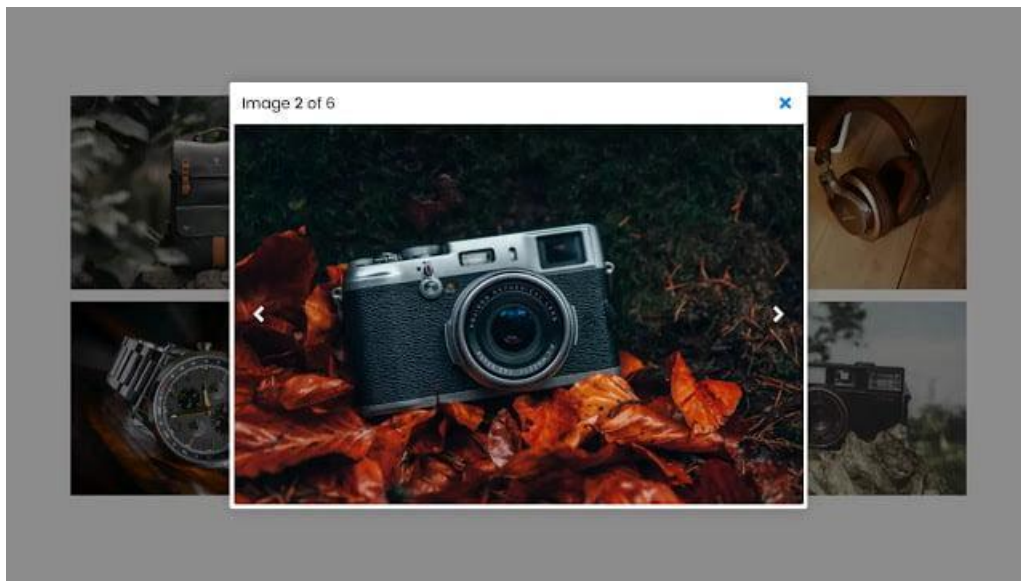
- Achieve Throttling using below example (on mouse over display mouse coordinates.)

Mouse coordinates: 324, 17

- Create Simple Alarm Clock show in below image



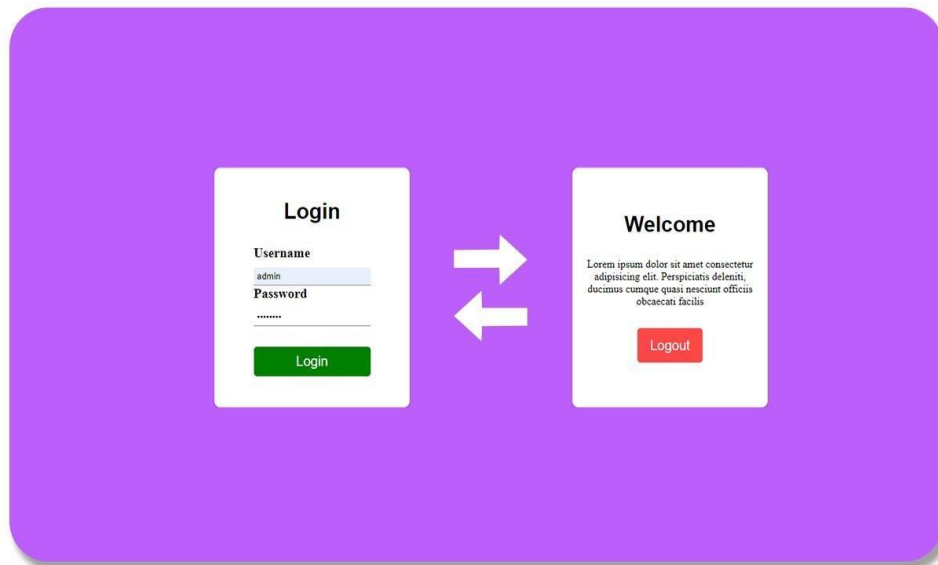
- Create Responsive Light box Gallery shown in below image



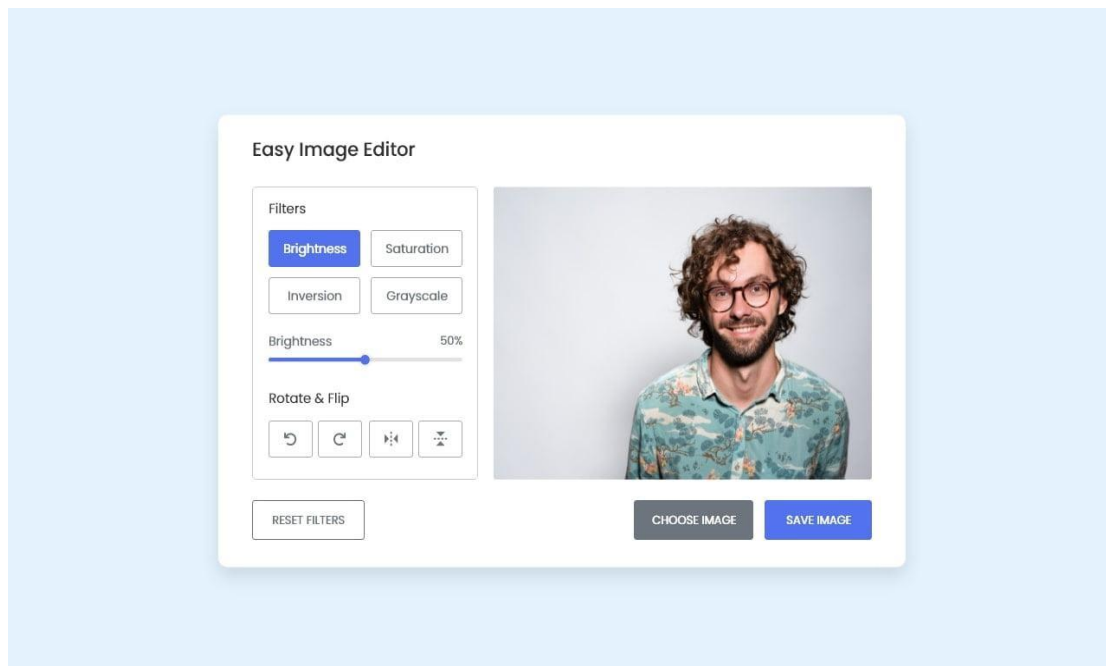
- Create review Card slider shown in below image



- Create Login Logout system shown below



- Create Image Editor shown below and apply filters like brightness, contrast etc.



- Perform Localstorage CRUD as below

CRUD with LocalStorage

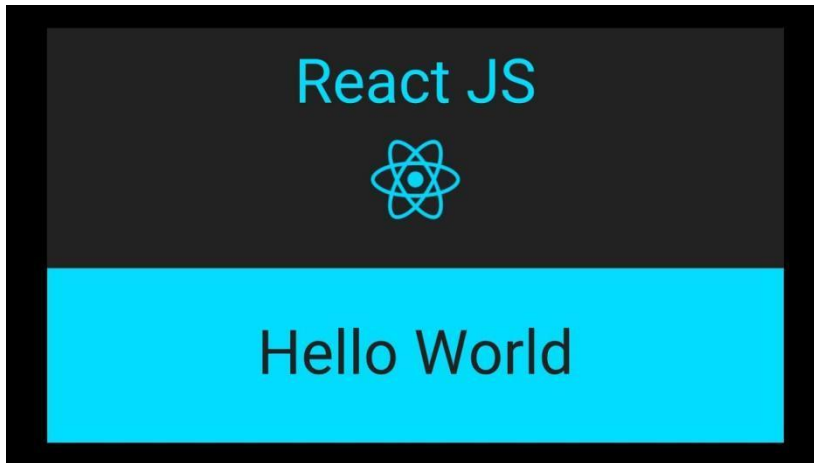
Add Item

Items:

Apple	Edit	Delete
milk	Edit	Delete
banana	Edit	Delete
bread	Edit	Delete

Module – 3 ReactJs

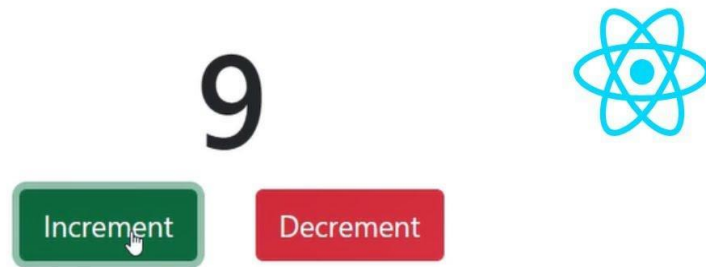
- CreateHello World React program show below



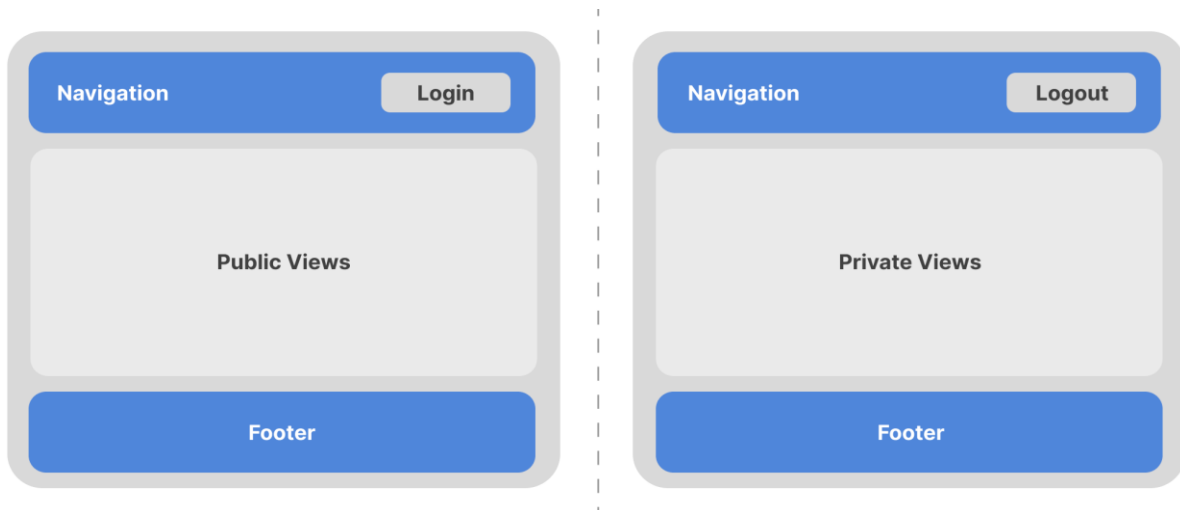
Module – 4 Lists and Hooks

- Create counter app program shown below

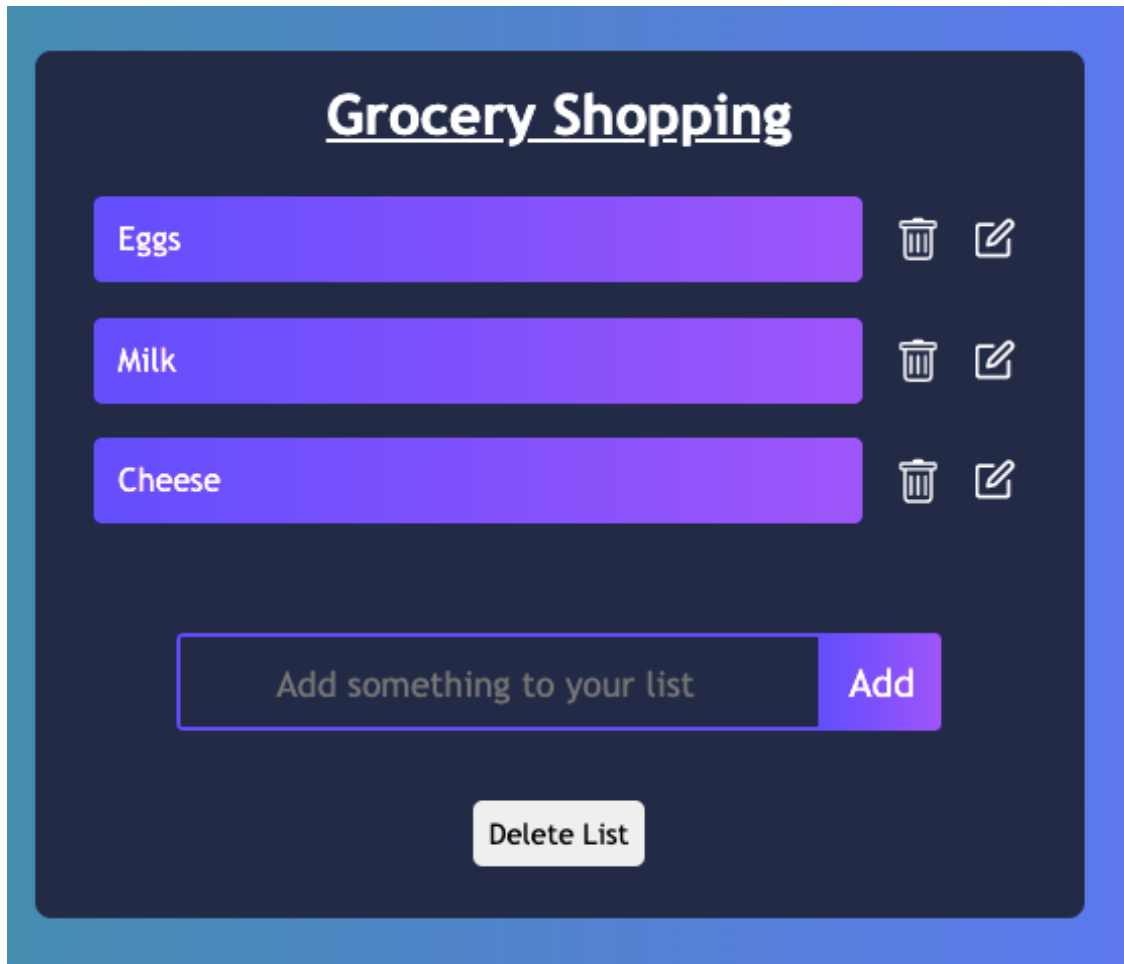
Counter App



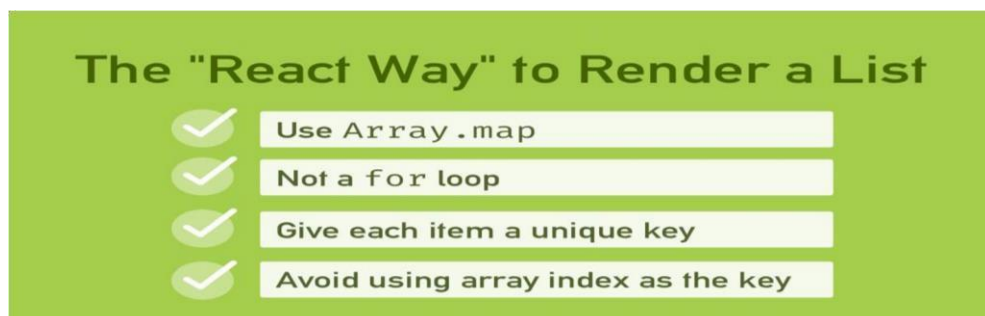
- Create Login Lout React program as below



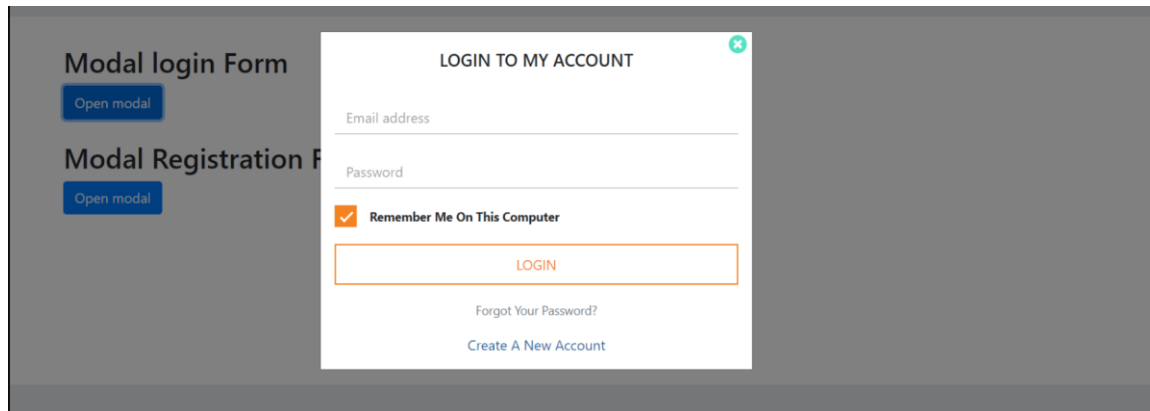
- Create TODO app show in image below



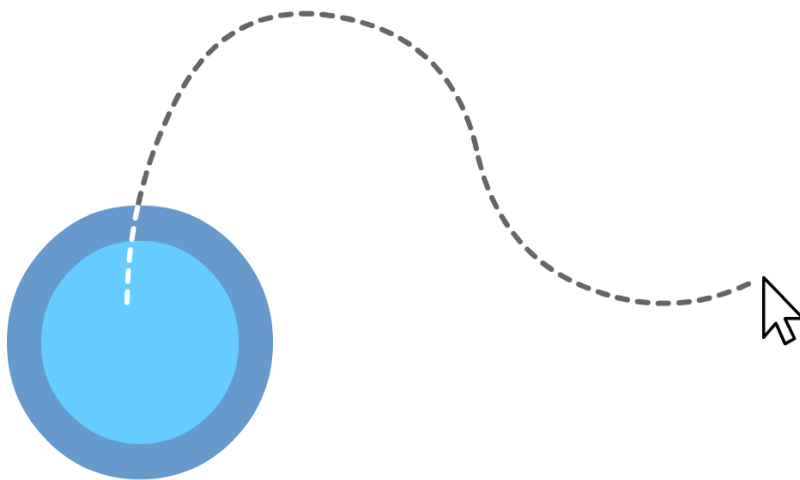
- How to Create a List View in React Js?



- Create modal for Login and Registration show in below image.

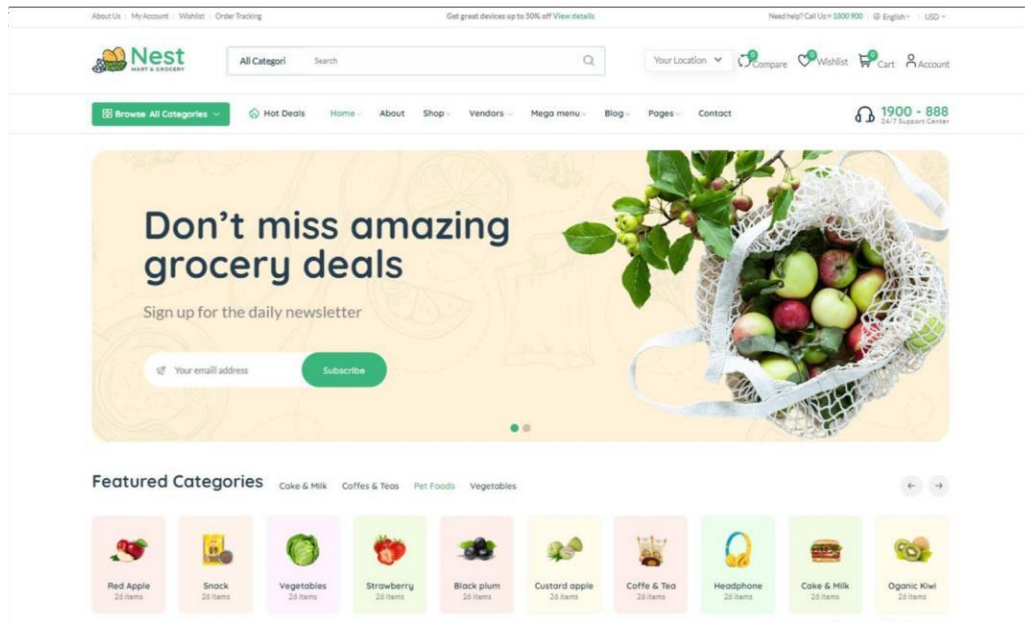


- Move an element on mouse move using useState OR useEffect Hook

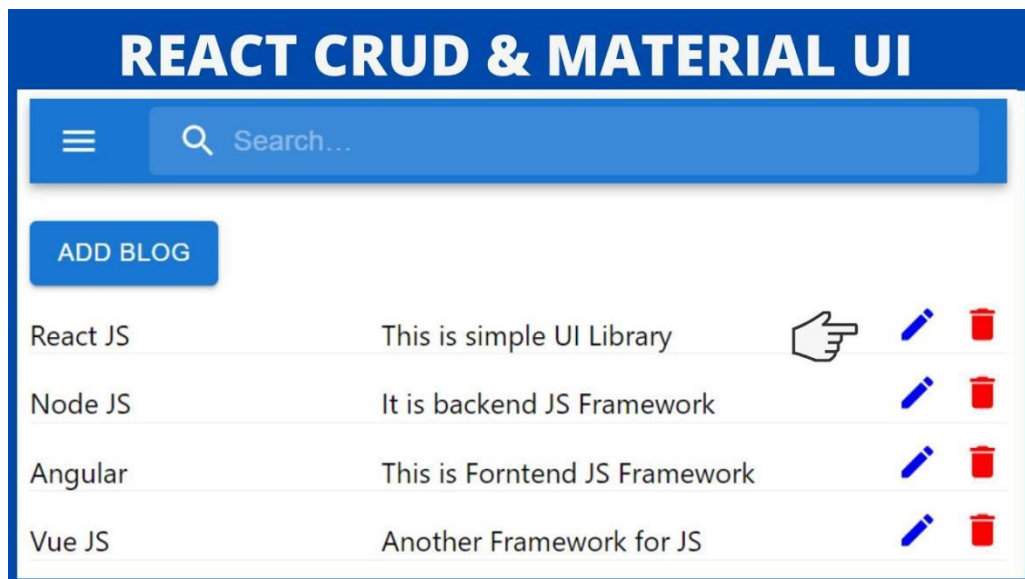


Module-5) React - Styling & Advance React

- Create Shopping site home page with Styled- component



- Perform crud using Fake API and Material UI



Module 6) React Router

- Create React app with modules and lazy loading (Admin-user module with child router and outlet)
- Perform Crud operation using json-server, axios, router

React Crud Operation {JSON Server}

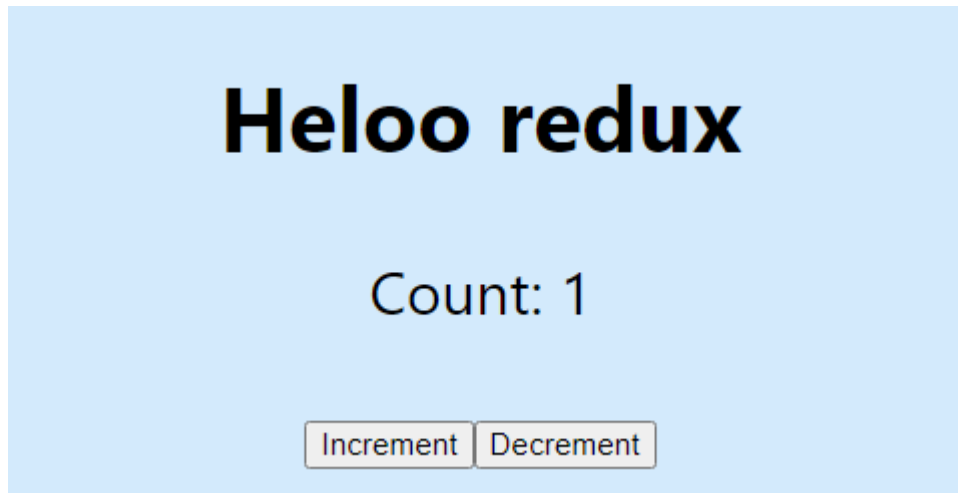
API
Axios

Router

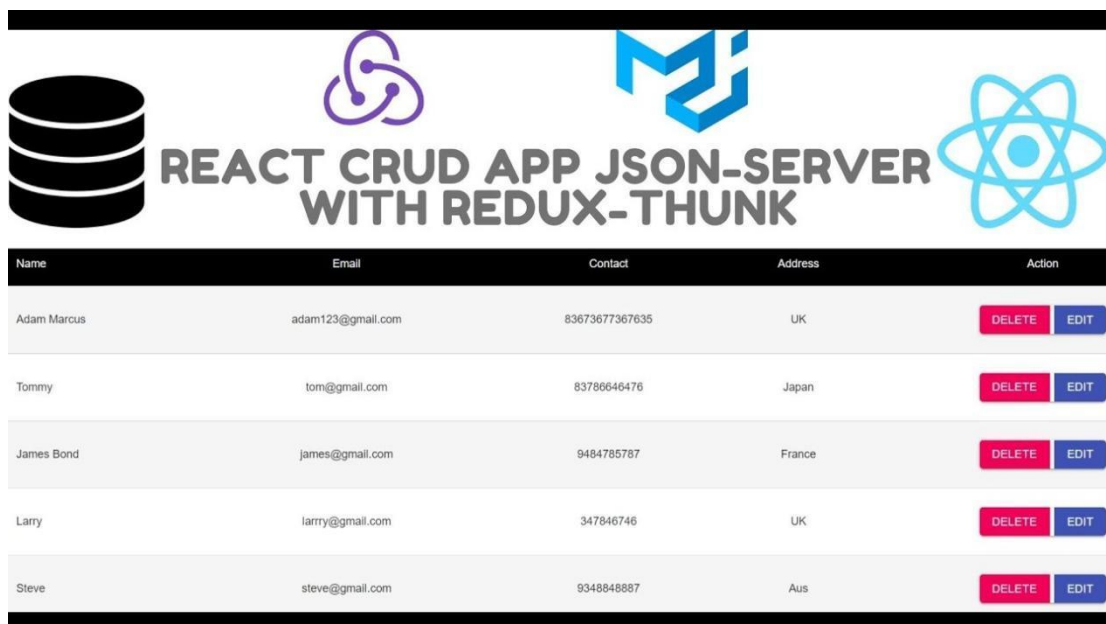
User First Name	User Last Name	User Email	Actions
beta	alpha	beta@knf.com	<button>Update</button> <button>Delete</button> <button>View</button>
alpha	gama	alpha@knf.com	<button>Update</button> <button>Delete</button> <button>View</button>
tera	tera	tera@gmail.com	<button>Update</button> <button>Delete</button> <button>View</button>

Module-7) React - Applying Redux

- Create app for Redux counter as shown below?



- Create CRUD using Redux-thunk, Json-server, axios, router



- Create a Single page application as show below.
- Create this portfolio page with at least three pages those all pages shold be opened without refreshing the page also apply dark light there on toggle button

