

**expt -1**

Edrawmax

**expt - 2**

User story creation

**expt - 3**

ui/ux design

**expt - 4**

git hub installation

**expt - 5**

git hub

**Cmd**

git config --global user.name sumith

git config --global user.email [sumith@gmail.com](mailto:sumith@gmail.com)

cd desktop           (optional)

cd card           (optional)

git init

git add .

git commit -m "index"

git branch -m master

git remote add origin <https://github.com/sumith006/index.git>

git push -u origin master

git status

## **expt – 6**

git hub

```
git branch alpha  
git branch -list  
git checkout alpha  
git branch  
git checkout -b beta  
git branch  
touch sumith.txt  
git status  
git add .  
git status  
git commit -m "newfile"  
git push --set-upstream origin beta
```

## **expt – 7**

AWS

## **expt - 8**

Docker image creation

### **code**

```
FROM alpine:latest  
CMD [ "echo","Hello Sumith!" ]
```

### **Cmd**

```
docker build -t my-simple-img .  
docker run my-simple-img
```

## **expt – 10**

vs code installation

## **expt - 9**

Docker container

### **Cmd**

```
docker --version  
docker pull hello-world:latest  
docker images  
docker run hello-world:latest  
docker pull prashantss/java-web-app:latest  
docker run -d -p 8080:8080 --name mydocapps prashantss/java-web-app:latest
```

## **expt - 11**

TypeScript

### **Cmd**

```
npm install -g typescript  
tsc --version  
mkdir helloworld  
cd helloworld  
code .
```

### **Code**

```
let message: string = 'hello world';  
console.log(message);
```

### **Cmd**

```
tsc helloworld.ts  
node helloworld.js
```

## **expt - 12**

create and run react app

### **Cmd**

```
node -v  
npm -v  
npm install -g create-react-app  
create-react-app reactproject / npx create-react-app reactproject  
cd reactproject  
npm start
```

## **expt - 13**

react component(jedi)

### **Cmd**

```
npx create-react-app reactcomponent
```

### **code**

**Jedi.jsx file name . code ↴**

```
import React from 'react';

class Jedi extends React.Component { render() {
  return (
    <div>I am a Jedi Component</div>
  );
}

}

export default Jedi;
```

**index.js code ↴**

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import Jedi from './Jedi';
import reportWebVitals from './reportWebVitals';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <Jedi />
  </React.StrictMode>
);
```

### **Cmd**

```
npm start
```

## expt - 14

React Router

### Code

#### index.js code ↴

```
import { render } from "react-dom";
import { BrowserRouter, Routes, Route } from "react-router-dom"; import App from "./App";
import About from "./About";
render(
  <BrowserRouter>
    <Routes>
      <Route path="/" element={<App />} />
      <Route path="about" element={<About />} />
    </Routes>
  </BrowserRouter>, document.getElementById("root")
);
```

#### App.js code ↴

```
import { Link } from "react-router-dom";function App() {
  return (
    <div className="App">
      <h1>Welcome to my react app!</h1>
      <p>
        Lorem ipsum dolor sit amet consectetur adipisicing elit. Accusamus, pariatur?
      </p>
      <br />
      <Link to="/about">About Page</Link>
    </div>
  );
}
export default App;
```

## About.js code ↴

```
const About = () => {  
  return (  
    <div>  
      <h1>About page here!</h1>  
      <p>  
        How are you?  
      </p>  
    </div>  
  );  
};  
export default About;
```

## Cmd

```
npm start
```

## **expt - 15**

### **shoping cart**

#### **index.js code ↴**

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './Shop.css';
import Shop from './Shop';
import reportWebVitals from './reportWebVitals';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <Shop />
  </React.StrictMode>
);
reportWebVitals();
```

## shop.js code ↗

```
import React, { useState } from 'react';

import overwatch from "./images/overwatch.jpg";
import minecraft from "./images/minecraft.jpg";
import fortnite from "./images/fortnite.jpg";

const items = [
  { id: 1, name: "overwatch", price: 1500, src: overwatch, alt: "overwatch" }, // Example price in INR
  { id: 2, name: "minecraft", price: 2400, src: minecraft, alt: "minecraft" }, // Example price in INR
  { id: 3, name: "fortnite", price: 4000, src: fortnite, alt: "fortnite" }, // Example price in INR
];

function App() {
  const [cart, setCart] = useState([]);

  const addToCart = (item) => setCart((prev) => [...prev, item]);
  const removeFromCart = (item) => setCart((prev) => prev.filter(i => i.id !== item.id));
  const total = cart.reduce((acc, current) => acc + current.price, 0);

  return (
    <div style={{ padding: '20px' }}>
      <h1>Items</h1>
      {items.map(item => (
        <div key={item.id} style={itemStyle}>
          <img src={item.src} alt={item.alt} style={imgStyle} />
          <span>`${item.name}: ₹${item.price}`</span>
          <button onClick={() => addToCart(item)}>Add</button>
        </div>
      ))}
      <h1>Cart</h1>
      {cart.length > 0 ? (
        cart.map(item => (
          <div key={item.id} style={itemStyle}>
```

```
<img src={item.src} alt={item.alt} style={imgStyle} />
<span>` ${item.name}: ₹${item.price}`</span>
<button onClick={() => removeFromCart(item)}>Remove</button>
</div>
))
) : (
<p>Your cart is empty.</p>
)}
<h2>Total: ₹{total}</h2>
</div>
);
}

const itemStyle = {
display: 'flex',
justifyContent: 'space-between',
padding: 10,
borderBottom: '1px solid #ccc'
};

const imgStyle = {
width: 50,
height: 50,
marginRight: 10
};
export default App;
```

## Cmd

```
npm start
```

## expt - 24

### Registration page

```
<!DOCTYPE html>

<head>

<title>Registration Form</title>

<style>

body {

    font-family: Arial, Helvetica, sans-serif;

    background-color: rgb(164, 164, 160);

}

.container {

    max-width: 400px;

    background-color: white;

    padding: 20px;

    margin: 0 auto;

    margin-top: 50px;

    border-radius: 5px;

    box-shadow: 0 0 10px black;

}

.form-group {

    margin-bottom: 20px;

}

label {

    display: block;

    margin-bottom: 5px;

}

input[type="text"], input[type="email"], input[type="password"] {

    width: 100%;

    padding: 10px;

    border: 1px solid #ccc;

    border-radius: 5px;

}

button {
```

```
background-color: green;
color: aliceblue;
border: none;
padding: 10px 20px;
border-radius: 5px;
cursor: pointer;
}

.message {
display: none;
padding: 10px;
margin-top: 20px;
background-color: green;
color: white;
border-radius: 5px;
text-align: center;
}

</style>
</head>
<body>
<div class="container">
<h2>Registration Form</h2>
<form id="registrationform">
<div class="form-group">
<label for="name">Name:</label>
<input type="text" id="name" name="name" required>
</div>
<div class="form-group">
<label for="email">Email:</label>
<input type="email" id="email" name="email" required>
</div>
<div class="form-group">
<label for="password">Password:</label>
<input type="password" id="password" name="password" required>
</div>
```

```
<div class="form-group">
    <label for="passwordconfirm">Confirm Password:</label>
    <input type="password" id="passwordconfirm" name="passwordconfirm" required>
</div>
<button type="submit">Registration</button>
<button type="button" id="clearform">Clear Form</button>
</form>
<div class="message" id="successmessage">Registration successful! Thank You</div>
</div>
<script>
    const form = document.getElementById("registrationform");
    const message = document.getElementById("successmessage");
    const clearButton = document.getElementById("clearform");

    form.addEventListener("submit", function (e) {
        e.preventDefault();
        const password = document.getElementById("password").value;
        const passwordconfirm = document.getElementById("passwordconfirm").value;
        if (password !== passwordconfirm) {
            alert("Passwords do not match!");
            return;
        }
        form.style.display = "none";
        message.style.display = "block";
    });

    clearButton.addEventListener("click", function () {
        form.reset();
        message.style.display = "none";
        form.style.display = "block";
    });
</script>
</body>
</html>
```