

ASSIGNMENT – 6B

AIM :- Write a program to implement forms and events.

Code :-

```
import React, { useState } from "react";
import "./Form.css";

const Form = () => {
  const [value, setValue] = useState("");

  const [formData, setFormData] = useState({
    username: "",
    email: "",
    occupation: "",
    gender: "",
    languages: [],
  });

  const handleKey = (event) => {
    if (event.key === 'Escape') {
      alert('You closed the form');
      resetContent();
    }
  }

  const onChangeHandle = (event) => {
    // console.log(event.target.value);
    console.log(event);
    let copy = { ...formData };
    if (event.target.name === "languages") {
      if (event.target.checked) {
        copy.languages.push(event.target.value);
      } else {
        copy.languages = copy.languages.filter(
          (el) => el !== event.target.value
        );
      }
    }

    setFormData(copy);
  } else {
    setFormData(() => ({
      ...formData, // direct object change is immutable in React
      [event.target.name]: event.target.value,
    }));
  }
}
```

```

    }));
  }
};

const message = (event) => {
  event.preventDefault();
  alert(
    `Hii ${formData.username}, Your form has been successfully submitted!!`
  );
  // resetContent();
};

const resetContent = () => {
  setFormData({
    username: "",
    email: "",
    occupation: "",
    gender: "",
    languages: [],
  });
};

return (
  <div className="App">
    <form onSubmit={message} className="form-content" onKeyUp={handleKey}>
      <h1>REGISTRATION FORM</h1>
      <div className="form-group">
        <label htmlFor="username" className="form-label">
          User Name
        </label>
        <input
          className="form-control"
          name="username"
          onChange={onChangeHandle}
          // value={formData.username}
        />
      </div>
      <div className="form-group">
        <label htmlFor="email" className="form-label">
          Email ID
        </label>
        <input
          className="form-control"
          name="email"
          onChange={onChangeHandle}
          // value={formData.email}
        />
      </div>
    </form>
  </div>

```

```
<div className="form-group">
  <label htmlFor="occupation" className="form-label">
    Occupation
  </label>
  <select
    className="form-select"
    name="occupation"
    onChange={onChangeHandle}
  >
    <option value="student">Student</option>
    <option value="employee">Employee</option>
    <option value="other">Other</option>
  </select>
</div>
<div className="form-group">
  <label className="form-label" htmlFor="gender">
    GENDER
  </label>
  <div>
    <input
      type="radio"
      name="gender"
      value="male"
      onChange={onChangeHandle}
    />
    <label htmlFor="male">Male</label>
  </div>
  <div>
    <input
      type="radio"
      name="gender"
      value="female"
      onChange={onChangeHandle}
    />
    <label htmlFor="female">Female</label>
  </div>
  <div>
    <input
      type="radio"
      name="gender"
      value="other"
      onChange={onChangeHandle}
    />
    <label htmlFor="other">Other</label>
  </div>
</div>
<div className="form-group">
  <label className="form-label" htmlFor="languages">
```

```

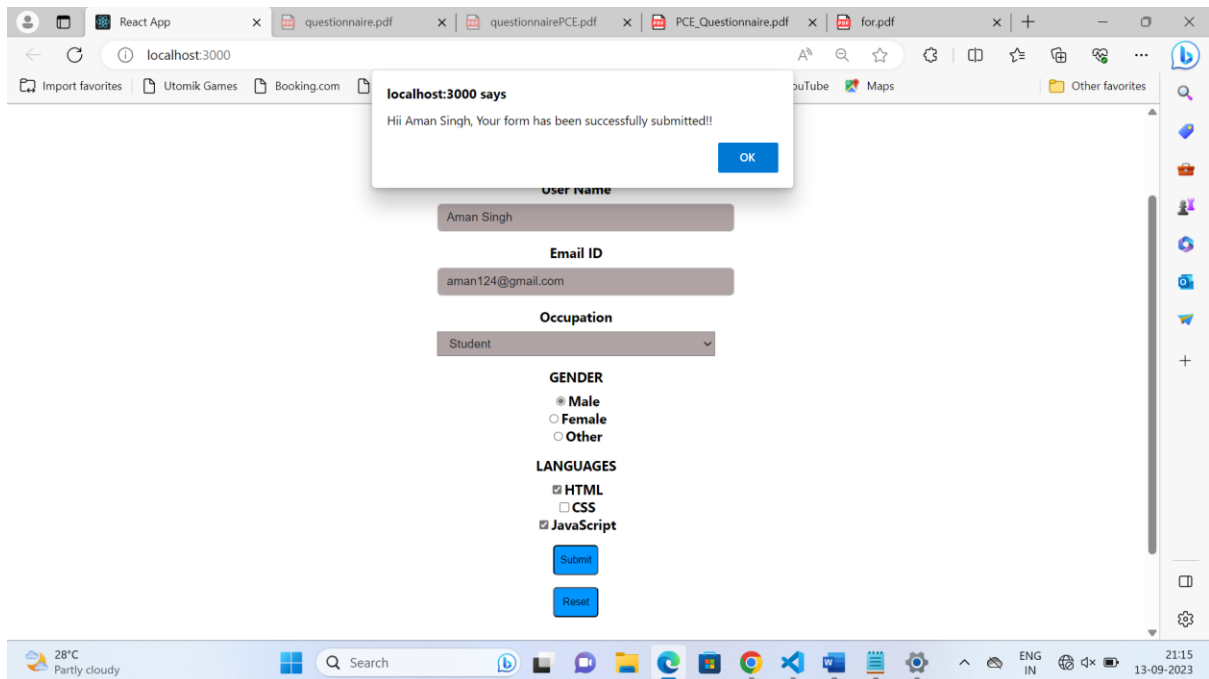
    LANGUAGES
  </label>
  <div>
    <input
      type="checkbox"
      name="languages"
      value="male"
      onChange={onChangeHandle}
    />
    <label htmlFor="male">HTML</label>
  </div>
  <div>
    <input
      type="checkbox"
      name="languages"
      value="female"
      onChange={onChangeHandle}
    />
    <label htmlFor="female">CSS</label>
  </div>
  <div>
    <input
      type="checkbox"
      name="languages"
      value="other"
      onChange={onChangeHandle}
    />
    <label htmlFor="other">JavaScript</label>
  </div>
</div>
<div className="form-group">
  <button className="btn" type="submit" onClick={message}>
    Submit
  </button>
</div>
<div className="form-group">
  <button className="btn" type="reset" onClick={resetContent}>
    Reset
  </button>
</div>
</form>
</div>
);
};

export default Form;

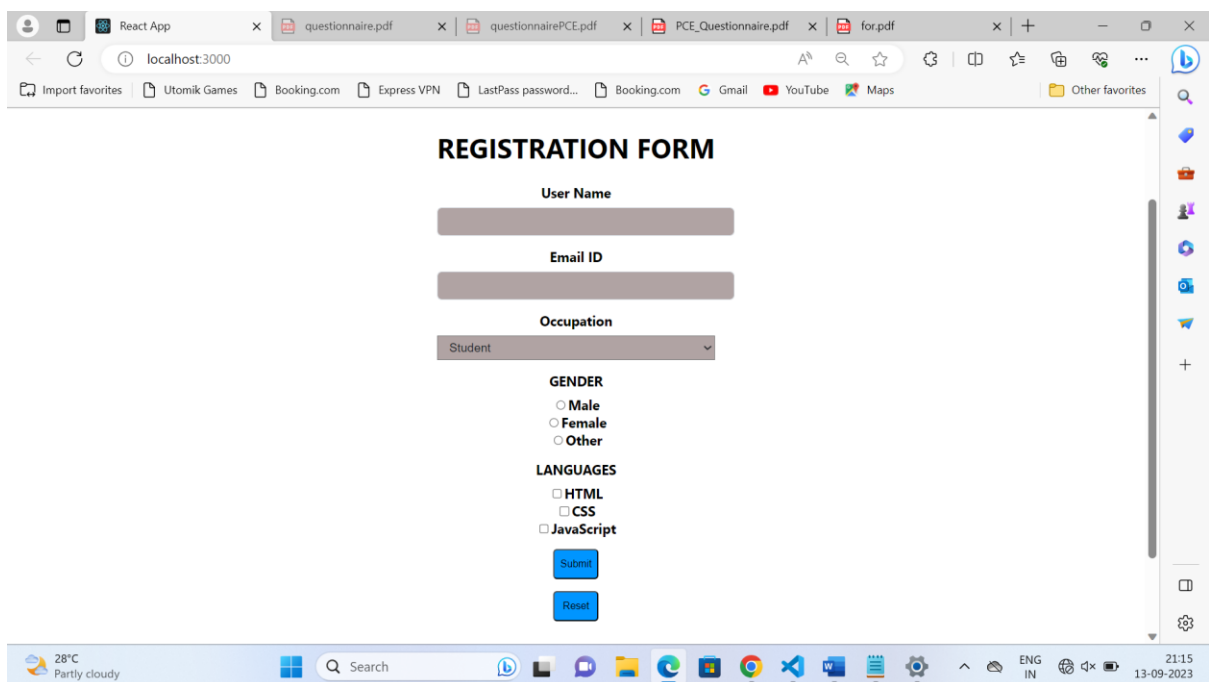
```

Output:-

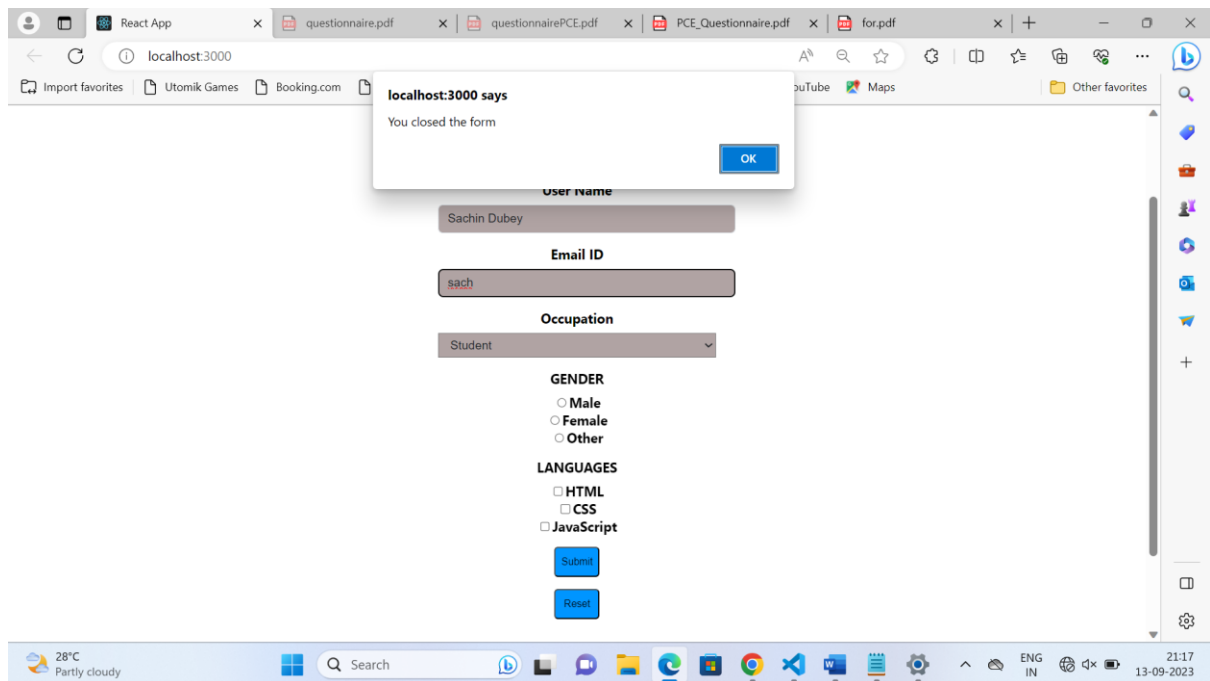
Submit button event



RESET button event -



ESC keyboard event –



Conclusion –

We have successfully implemented concept of **forms** and **event handling** in react. In implementation we have created **submit button** for successful form submission alert, **reset button** for reset of all the input fields and **ESC key** for escaping the form in between.