

## Assignment 6b

Roll No: 71 Batch T14

**Aim:** WAP to implement the concept of forms and events. Create a React JS registration Form consisting of textbox, textarea, selection input, check box, radio button, submit button and reset button handling onSubmit, onClick and keyDown events.

**Code:**

```
import './App.css';
import { useState } from 'react';

function App() {
  const [darsh_form, setDarsh_form] = useState({
    name: '',
    description: '',
    year: '',
    gender: '',
    age: '',
  });

  const handleChange = (event) => {
    const { name, value, type, checked } = event.target;
    const newValue = type === 'checkbox' ? checked : value;

    setDarsh_form({
      ...darsh_form,
      [name]: newValue,
    });
  };

  const handleSubmit = (event) => {
    event.preventDefault();
    console.log('Form submitted with data:', darsh_form);
  };

  const handleKeyDown = (event) => {
    if (event.key === 'Enter') {
      handleSubmit(event);
    }
  };

  return (
    <div className='dar_form'>
      <form onSubmit={handleSubmit}>
        <br />
        <label htmlFor="name">Name :</label>
```

```
<input
  type="text"
  name="name"
  value={darsh_form.name}
  onChange={handleChange}
/>
<br />
<label htmlFor="description">Description :</label>
<textarea
  name="description"
  value={darsh_form.description}
  onChange={handleChange}
  cols="30"
  rows="4"
></textarea>
<br />
<label htmlFor="year">Select Year :</label>
<select name="year" value={darsh_form.year} onChange={handleChange}>
  <option value="F.E">First Year</option>
  <option value="S.E">Second Year</option>
  <option value="T.E">Third Year</option>
  <option value="B.E">Final Year</option>
</select>
<br />
<label>Gender :</label>
<input
  type="checkbox"
  value="Male"
  name="gender"
  checked={darsh_form.gender === 'Male'}
  onChange={handleChange}
/>
Male
<input
  type="checkbox"
  value="Female"
  name="gender"
  checked={darsh_form.gender === 'Female'}
  onChange={handleChange}
/>
Female
<br />
<label>Age :</label>
<input
  type="radio"
  value="under30"
  name="age"
  checked={darsh_form.age === 'under30'}
```

```

        onChange={handleChange}
      />
      Under 30
      <input
        type="radio"
        value="above30"
        name="age"
        checked={darsh_form.age === 'above30'}
        onChange={handleChange}
      />
      30 and above
      <br />
      <button type="submit">Submit</button>
      <button type="reset ">
        Reset
      </button>
    </form>
  </div>
);
}

export default App;

```

CSS file:

```

.dar_form {
  display: flex;
  flex-direction: column;
  align-items: center;
  margin: 20px;
}

form {
  width: 300px;
  padding: 20px;
  border: 1px solid #ccc;
  border-radius: 5px;
  background-color: #f9f9f9;
}

label {
  display: block;
  margin-bottom: 5px;
}

input[type="text"],
textarea,

```

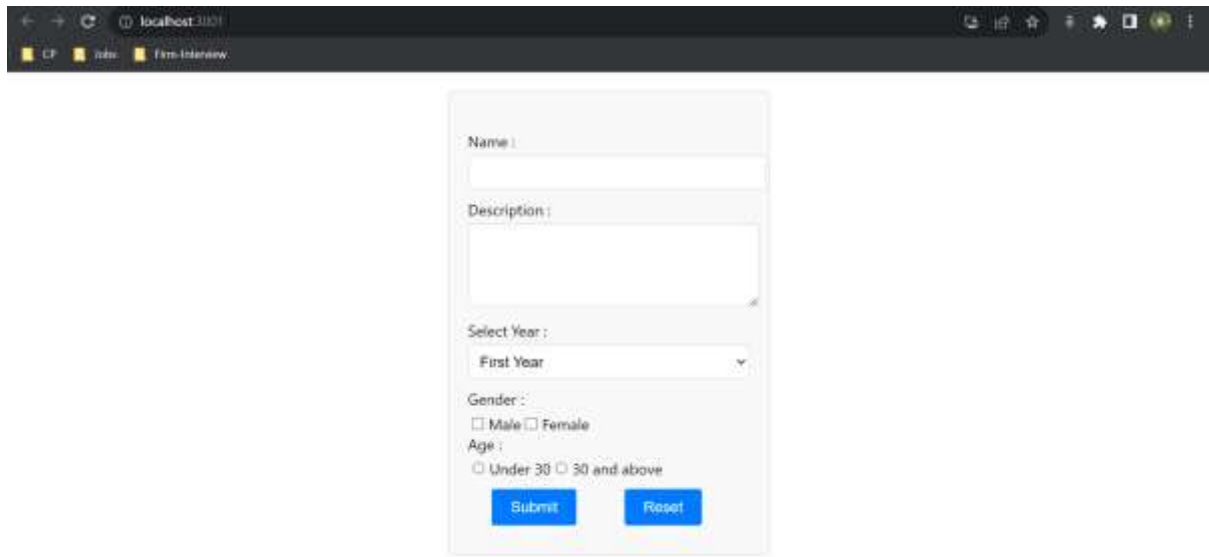
```
select {
  width: 100%;
  padding: 8px;
  margin-bottom: 10px;
  border: 1px solid #ccc;
  border-radius: 3px;
  font-size: 16px;
}

input[type="checkbox"],
input[type="radio"] {
  margin-right: 5px;
}

button[type="submit"],
button[type="button"] {
  padding: 10px 20px;
  background-color: #007bff;
  color: #fff;
  border: none;
  border-radius: 3px;
  font-size: 16px;
  cursor: pointer;
}

button{
  margin: 2vh 2vw;
}
```

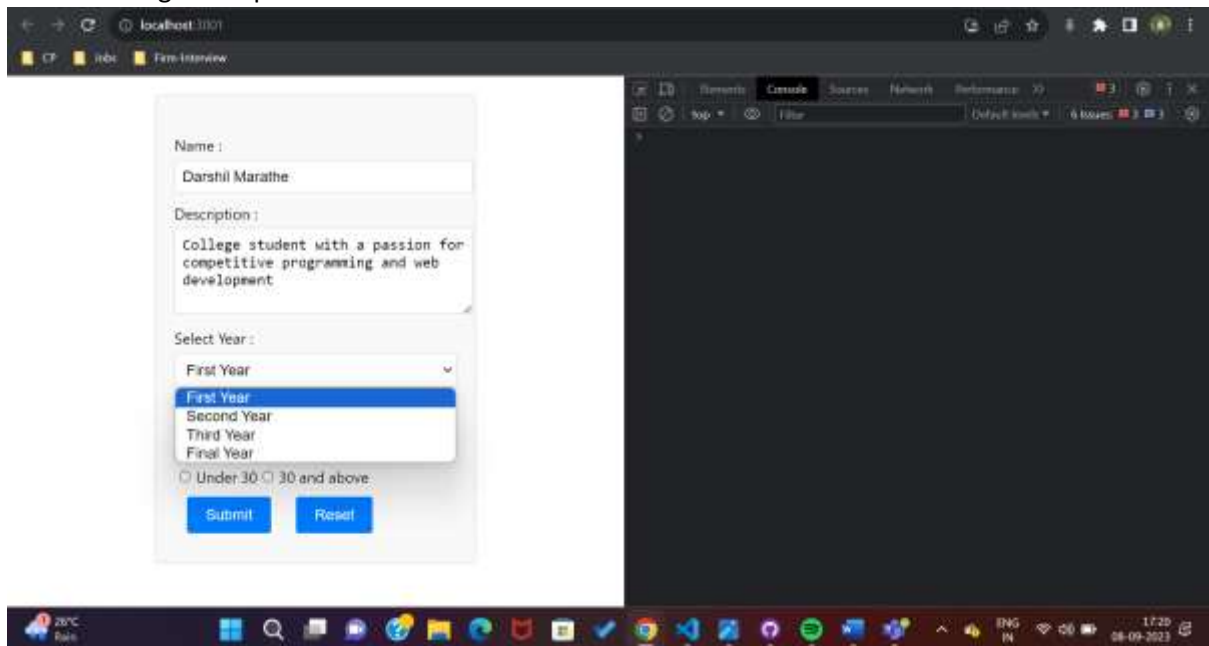
## Output:



The screenshot shows a web browser window with the address bar displaying "localhost:3001". The browser's tab bar shows three tabs: "CP", "Jobs", and "First Interview". The main content area displays a form with the following fields and controls:

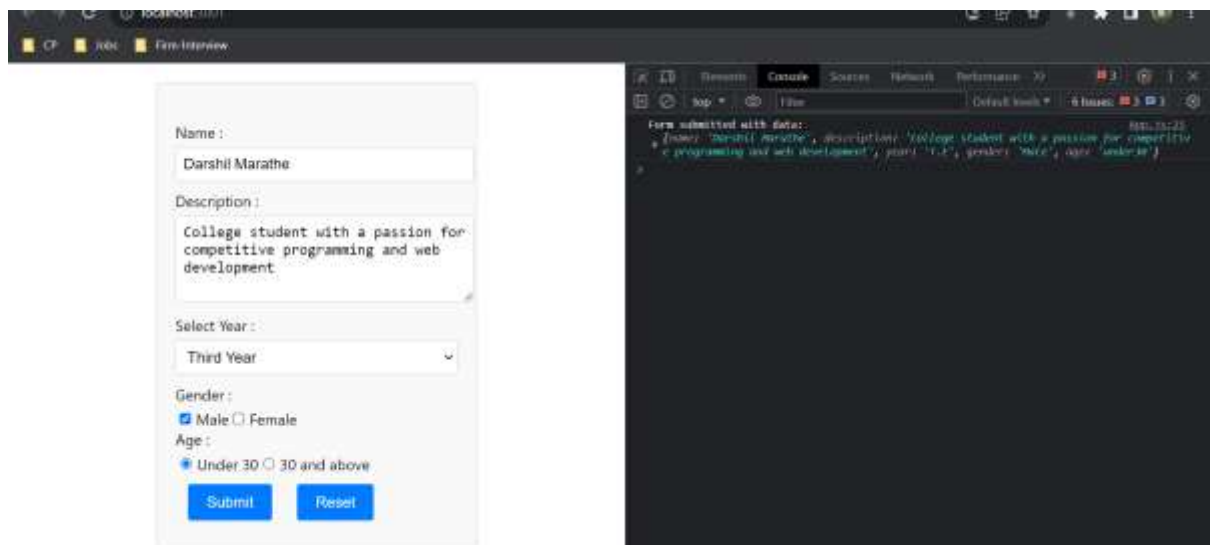
- Name :** A text input field.
- Description :** A text area.
- Select Year :** A dropdown menu currently showing "First Year".
- Gender :** Two checkboxes labeled "Male" and "Female".
- Age :** Two checkboxes labeled "Under 30" and "30 and above".
- Submit** and **Reset** buttons at the bottom.

## The select tag with options:

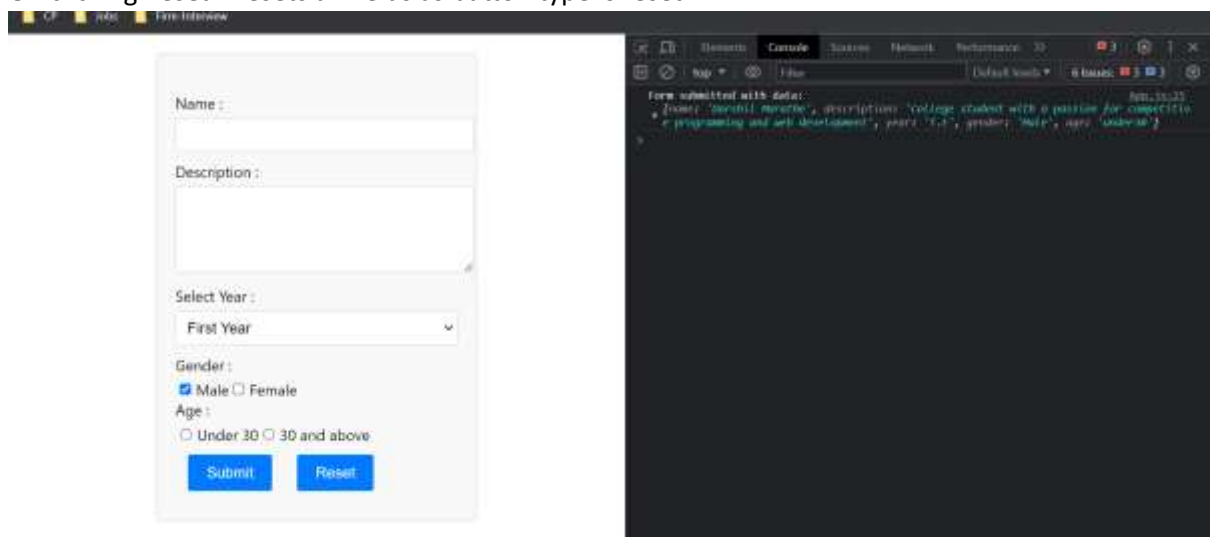


This screenshot shows the same web browser window as the previous one, but with the "Select Year" dropdown menu open. The dropdown menu displays four options: "First Year", "Second Year", "Third Year", and "Final Year". The "First Year" option is currently selected. The rest of the form and the browser's address bar remain the same.

On clicking Submit: Displays in console as default refreshing has been prevented in onSubmit Function.



On clicking Reset : Resets all fields as button type is reset



On clicking ENTER -> keydown event is called which submits the form

