**Academic Year: 2022-23 Name of Student:**

**Semester: VI Student ID:**

**Class / Branch/ Div: TE- IT A/ B Roll No.**

**Subject: IP Lab Date of Submission:**

**Name of Instructor: Yaminee Patil**

**Experiment No.:9**

**Aim:** Write a program to create React application using functional components and make use of bootstrap to provide styling to application.

**Software Used:** Visual Studio code

**Prerequisites:** HTML, CSS, REACT JS

**Code & Output:**

1. **App.js**

import './App.css';

import StudentComponent from './StudentComponent';

function App() {

return (

<div >

<StudentComponent/>

</div>

);

}

export default App;

**StudentComponent.js**

import React, { Component } from 'react'

class StudentComponent extends Component{

constructor(props){

super(props)

this.state={

firstName:'',

lastName:'',

emailId:'',

address:''

}

this.changeFirstNameHandler=this.changeFirstNameHandler.bind(this);

this.changeLastNameHandler=this.changeLastNameHandler.bind(this);

this.changeEmailIdHandler=this.changeEmailIdHandler.bind(this);

this.changeAddressHandler=this.changeAddressHandler.bind(this);

this.saveStudent=this.saveStudent.bind(this);

}

changeFirstNameHandler=(event)=>{

this.setState({firstName: event.target.value});

}

changeLastNameHandler=(event)=>{

this.setState({lastName: event.target.value});

}

changeEmailIdHandler=(event)=>{

this.setState({emailId: event.target.value});

}

changeAddressHandler=(event)=>{

this.setState({address: event.target.value});

}

saveStudent=(e)=>{

e.preventDefault();

let student={firstName: this.state.firstName,lastName: this.state.lastName,emailId: this.state.emailId, address: this.state.address};

console.log('Student=>'+JSON.stringify(student));

}

cancel(){

this.props.history.push();

}

render(){

return(

<div>

<div className="container">

<div className="row">

<br></br>

<h1 className="text-center">Student Registration Form</h1>

<br></br>

<div className="card col-md-6 offset-md-3 offset-md-3">

<div className="card-body">

<form>

<div className="form-group">

<label>First Name:</label>

<input placeholder="First Name" name="firstName" className="form-control"

value={this.state.firstName} onChange={this.changeFirstNameHandler}/>

</div>

<div className="form-group">

<label>Last Name:</label>

<input placeholder="Last Name" name="lastName" className="form-control"

value={this.state.lastName} onChange={this.changeLastNameHandler}/>

</div>

<div className="form-group">

<label>Email:</label>

<input placeholder="Email" name="emailId" className="form-control"

value={this.state.emailId} onChange={this.changeEmailIdHandler}/>

</div>

<div className="form-group">

<label>Address:</label>

<input placeholder="Address" name="address" className="form-control"

value={this.state.address} onChange={this.changeAddressHandler}/>

</div>

<br></br>

<br></br>

<button className="btn btn-success" onClick={this.saveStudent}>Save</button>

<button className="btn btn-danger" onClick={this.cancel.bind} style={{marginLeft:"10px"}}>Cancel</button>

</form>

</div>

</div>

</div>

</div>

</div>

)

}

}

export default StudentComponent

**Conclusion:** In this experiment we have studied and implemented react application with functional components, props and Bootstrap.