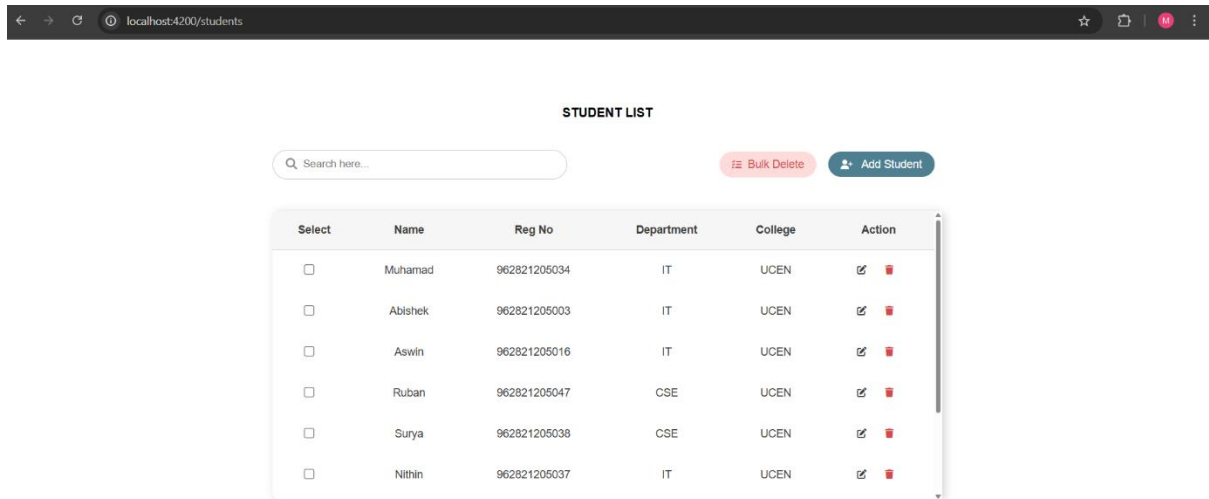
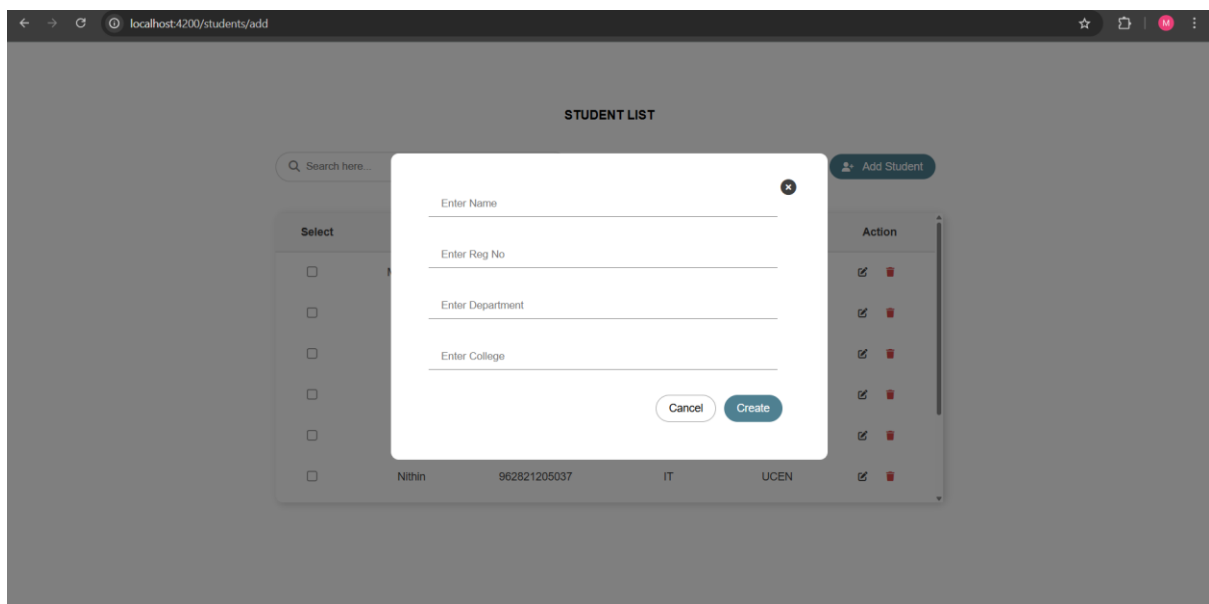


OUTPUT:

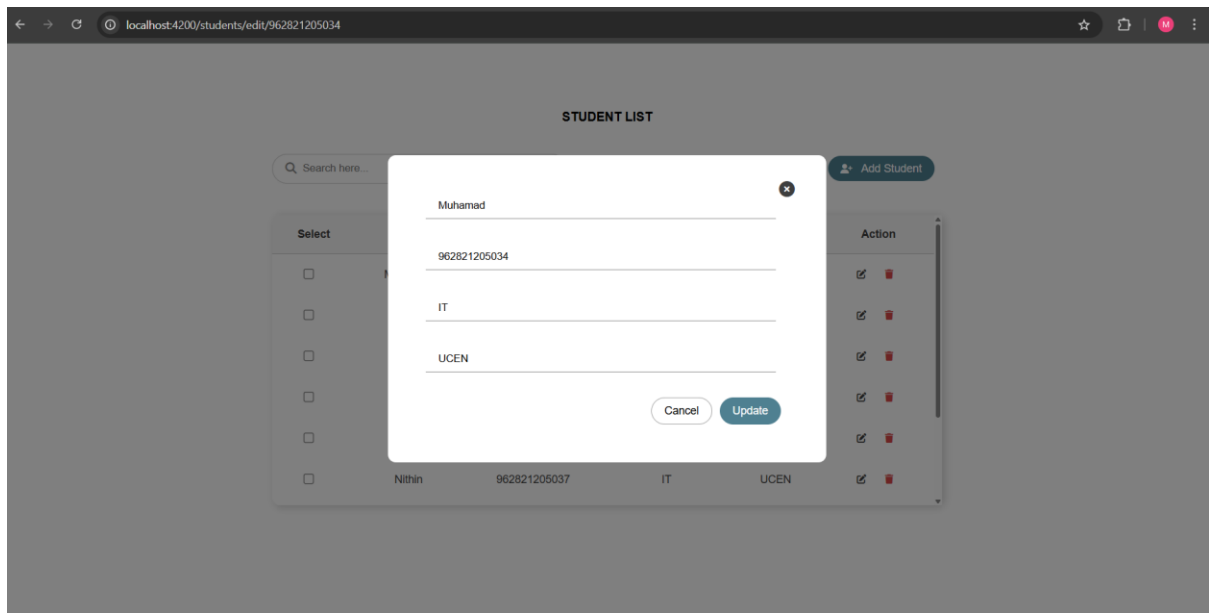
List Route(localhost:4200/students) :



Add Route(localhost:4200/students/add) :



Edit Route(localhost:4200/students/edit/962821205034) :



index.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>EmberListView</title>
```

```
<meta name="description" content="">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
{{content-for "head"}}
```

```
<link integrity="" rel="stylesheet" href="{{rootURL}}assets/vendor.css">
```

```
<link integrity="" rel="stylesheet" href="{{rootURL}}assets/ember-list-view.css">
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.7.2/css/all.min.css" integrity="sha512-
```

Evv84Mr4kqVGRNSglGL/F/aIDqQb7xQ2vcrdlwxfjThSH8CSR7PBEakCr51Ck+w+/U6swU2Im1v
VX0SVk9ABhg==" crossorigin="anonymous" referrerpolicy="no-referrer" />

```
    {{content-for "head-footer"}}
  </head>

  <body>

    {{content-for "body"}}

    <script src="{{rootURL}}assets/vendor.js"></script>
    <script src="{{rootURL}}assets/ember-list-view.js"></script>

    {{content-for "body-footer"}}
  </body>
</html>
```

templates/application.hbs

```
{{outlet}}
```

templates/students.hbs

```
<div class="container">
  <h4>STUDENT LIST</h4>
  <div class="searchDlt">
    <div class="search-cont">
      <i class="fa-solid fa-magnifying-glass"></i>
      <input type="text" id="search" placeholder="Search here..." {{on "keyup"
this.searchTable}}>
    </div>
```

```

<div>

  <button {{on "click" this.bulkDelete}} class="btn-cd dlt"><i class="fa-solid fa-list-check"></i>Bulk Delete</button>

  <LinkTo @route="students.add" class="btn-cd">

    <i class="fa-solid fa-user-plus"></i> Add Student

  </LinkTo>

</div>

</div>

```

```

<StudentList @students={{this.students.students}} @deleteRow={{this.deleteRow}}
@editRow={{this.editRow}} />

</div>

```

```

{{#if this.isFormVisible}}

<StudentForm @editStudent={{this.editStudent}} @students={{this.students.students}}
@saveStudent={{this.saveStudent}}

  @updateStudents={{this.updateStudents}} @closeForm={{this.closeForm}} />

{{/if}}

```

```

{{outlet}}

```

templates/students/add.hbs

```

<div id="overlay"></div>

<StudentForm @addRow={{this.addRow}} @closeForm={{this.closeForm}}/>

```

templates/students/edit.hbs

```

<div id="overlay"></div>

<StudentForm

  @editStudent={{this.model}}

```

```
@students={{this.students.students}}  
@saveStudent={{this.saveStudent}}  
@updateStudents={{this.updateStudents}}  
@closeForm={{this.closeForm}}  
/>
```

services/students.js

```
import Service from '@ember/service';  
import { tracked } from '@glimmer/tracking';  
  
export default class StudentsService extends Service {  
  @tracked students = [  
    { name: "Muhamad", reg: 962821205034, dept: "IT", clg: "UCEN" },  
    { name: "Abishek", reg: 962821205003, dept: "IT", clg: "UCEN" },  
    { name: "Aswin", reg: 962821205016, dept: "IT", clg: "UCEN" },  
    { name: "Ruban", reg: 962821205047, dept: "CSE", clg: "UCEN" },  
    { name: "Surya", reg: 962821205038, dept: "CSE", clg: "UCEN" },  
    { name: "Nithin", reg: 962821205037, dept: "IT", clg: "UCEN" },  
    { name: "Jees", reg: 962821205050, dept: "IT", clg: "UCEN" },  
    { name: "Nithish", reg: 962821205040, dept: "IT", clg: "UCEN" },  
    { name: "Jones", reg: 962821205008, dept: "IT", clg: "UCEN" },  
  ];;  
  
  addStudent(student) {  
    this.students = [...this.students, student];  
  }  
}
```

routes/students.js

```
import Route from '@ember/routing/route';  
  
export default class StudentsRoute extends Route {}
```

routes/students/add.js

```
import Route from '@ember/routing/route';  
  
import { inject as service } from '@ember/service';  
  
export default class StudentsAddRoute extends Route {  
  
  @service students;  
  
  model() {  
  
    return { students:this.students.students, newStudent: { name: "", reg: "", dept: "", clg: "" } };  
  
  }  
}
```

routes/students/edit.js

```
import Route from '@ember/routing/route';  
  
import { inject as service } from '@ember/service';  
  
export default class StudentsEditRoute extends Route {  
  
  @service students;  
  
  model(params) {  
  
    return this.students.students.find(student => student.reg == Number(params.reg));  
  
  }  
}
```

controllers/students.js

```
import Controller from '@ember/controller';  
  
import { action } from '@ember/object';
```

```
import { tracked } from '@glimmer/tracking';

import { inject as service } from '@ember/service';

export default class StudentsController extends Controller {

  @service router;

  @service students;

  @tracked isFormVisible = false;

  @tracked editStudent = null;

  @action bulkDelete() {

    let checkboxes = document.querySelectorAll("#table input[type='checkbox']:checked");

    if (!checkboxes.length) {

      alert("Select one or more rows to bulk delete");

      return;

    }

    checkboxes.forEach(checkbox => {

      let row = checkbox.parentElement.parentElement;

      this.deleteRow(row.cells[2].textContent);

      row.remove();

    });

  }

  @action searchTable(event) {

    let input = event.target.value.toLowerCase();

    let rows = document.querySelectorAll("#table tr");
```

```

    rows.forEach((row, index) => {
      if (index === 0) return;
      row.style.display = row.innerText.toLowerCase().includes(input) ? "" : "none";
    });
  }

  @action deleteRow(reg) {
    this.students.students = this.students.students.filter(student => student.reg !== reg);
  }

  @action editRow(reg) {
    this.editStudent = this.students.students.find(student => student.reg === reg);
    this.router.transitionTo('students.edit', reg);
  }
}

```

controllers/students/add.js

```

import Controller from '@ember/controller';
import { inject as service } from '@ember/service';
import { action } from '@ember/object';

export default class StudentsAddController extends Controller {
  @service router;
  @service students;

  @action addRow(student) {
    this.students.addStudent(student);
  }
}

```



```
        console.log("Updated Students List:", this.students.students);
        this.router.transitionTo('students');
    }

    @action closeForm() {
        this.router.transitionTo('students');
    }
}
```

controllers/students/edit.js

```
import Controller from '@ember/controller';
import { inject as service } from '@ember/service';
import { action } from '@ember/object';

export default class StudentsEditController extends Controller {
    @service router;
    @service students;

    @action updateStudents(updatedStudents) {
        this.students.students = updatedStudents;
        this.router.transitionTo('students');
    }

    @action closeForm() {
        this.router.transitionTo('students');
    }
}
```

components/student-form.hbs

```
<div id="formCont">

  <span id="close-btn" {{on "click" @closeForm}}>

    <i class="fa-solid fa-circle-xmark"></i>

  </span>

  <input type="text" value={{this.name}} {{on "input" this.updateName}}
placeholder="Enter Name">

  <input type="text" value={{this.reg}} {{on "input" this.updateReg}} placeholder="Enter Reg
No">

  <input type="text" value={{this.dept}} {{on "input" this.updateDept}} placeholder="Enter
Department">

  <input type="text" value={{this.clg}} {{on "input" this.updateClg}} placeholder="Enter
College">

  <div class="decision">

    <button class="btn-cd cancel" type="button" {{on "click"
@closeForm}}>Cancel</button>

    <button class="btn-cd" type="button" {{on "click" this.saveStudent}}>{{if this.isEditing
"Update" "Create"}}</button>

  </div>

</div>
```

components/student-list.hbs

```
<div class="table-container">

  <table id="table">

    <tr>

      <th>Select</th>

      <th>Name</th>

      <th>Reg No</th>
```

```

        <th>Department</th>

        <th>College</th>

        <th>Action</th>

    </tr>

    {{#each @students as |student|}}

    <tr>

        <td><input type="checkbox"></td>

        <td>{{student.name}}</td>

        <td>{{student.reg}}</td>

        <td>{{student.dept}}</td>

        <td>{{student.clg}}</td>

        <td><button class="btn btn-edit" type="button" {{on "click" (fn @editRow
student.reg)}}><i class="fa-solid fa-pen-to-square"></i></button>

        <button class="btn btn-dlt" type="button" {{on "click" (fn @deleteRow
student.reg)}}><i class="fa-solid fa-trash"></i></button></td>

    </tr>

    {{/each}}

</table>

</div>

```

components/student-form.js

```

import Component from '@glimmer/component';
import { action } from '@ember/object';
import { tracked } from '@glimmer/tracking';

export default class StudentFormComponent extends Component {
    @tracked name = this.args.editStudent?.name || '';
    @tracked reg = this.args.editStudent?.reg || '';

```

```
@tracked dept = this.args.editStudent?.dept || "";
```

```
@tracked clg = this.args.editStudent?.clg || "";
```

```
@tracked isEditing = !!this.args.editStudent;
```

```
@action updateName(event) {  
  this.name = event.target.value;  
}
```

```
@action updateReg(event) {  
  this.reg = event.target.value;  
}
```

```
@action updateDept(event) {  
  this.dept = event.target.value;  
}
```

```
@action updateClg(event) {  
  this.clg = event.target.value;  
}
```

```
@action saveStudent() {  
  
  if(!this.name || !this.reg || !this.dept || !this.clg) {  
    alert("Fill all the details");  
    return;  
  }  
  
  if (this.isEditing) {
```

```

    let updatedStudents = this.args.students.map(student =>
      student.reg === this.reg
        ? { ...student, name: this.name, dept: this.dept, clg: this.clg }
        : student
    );

    this.args.updateStudents(updatedStudents);
  } else {
    this.args.addRow({
      name: this.name,
      reg: this.reg,
      dept: this.dept,
      clg: this.clg
    });
  }

  this.args.closeForm();
}
}

```

styles/app.css

/* Ember supports plain CSS out of the box. More info:
<https://cli.emberjs.com/release/advanced-use/stylesheets/> */

```

body {
  display: flex;
  justify-content: center;

```

```
    align-items: center;

    height: 90vh;

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

```
#overlay {

    position: fixed;

    top: 0;

    left: 0;

    height: 100%;

    width: 100%;

    background: rgb(0 0 0 / 50%);

    z-index: 1000;
}
```

```
.container {

    display: flex;

    align-items: center;

    flex-direction: column;

    padding: 2rem;

    background-color: #fff;

    border-radius: 10px;

    width: 70%;

    height: 75vh;

    position: relative;
}
```

```
#formCont,table {
```

```
    margin: 2rem;  
}
```

```
#formCont {  
    display: flex;  
    flex-direction: column;  
    gap: 2rem;  
    position: absolute;  
    background-color: white;  
    padding: 3rem;  
    border-radius: 10px;  
    width: 30%;  
    z-index: 1001;  
}
```

```
.decision {  
    display: flex;  
    justify-content: flex-end;  
}
```

```
#close-btn {  
    cursor: pointer;  
    position: absolute;  
    top: 2rem;  
    right: 2rem;  
    color: #3e3e3e;  
    font-size: 20px;  
}
```

```
input {  
    margin-right: 1rem;  
    padding: 0.5rem 1rem;  
    border: none;  
    border-bottom: 1px solid #868686;  
    background-color: #fff;  
    outline: none;  
}
```

```
input[type="text"]:focus {  
    border: none;  
    border-bottom: 1px solid #868686;  
}
```

```
input[type="checkbox"] {  
    cursor: pointer;  
}
```

```
.table-container {  
    height: auto;  
    overflow-y: scroll;  
    scrollbar-width: thin;  
    box-shadow: 3px 2px 10px #d3d3d3;  
    margin: 1.5rem;  
    width: 80%;  
    border-radius: 10px;  
}
```



```
table {  
    background-color: #fff;  
    border-radius: 10px;  
    border-collapse: collapse;  
    color: #3e3e3e;  
    margin: 0;  
    width: 100%;  
}
```

```
td,th {  
    padding: 1rem;  
    font-size: 14px;  
    text-align: center;  
}
```

```
th {  
    position: sticky;  
    top: 0;  
    border-bottom: 1px solid #ccc;  
    background-color: #f6f6f6;  
}
```

```
.btn-cd {  
    padding: 0.5rem 1rem;  
    border-radius: 20px;  
    border: none;  
    background-color: #4f8091;
```

```
    color: white;
    cursor: pointer;
    font-size: 14px;
    margin-right: 10px;
    text-decoration: none;
}
```

```
.btn-cd i {
    font-size: 12px;
}
```

```
i {
    margin-right: 0.5rem;
}
```

```
.dlt {
    background-color: #ffdcdd;
    color: #d84949;
}
```

```
.cancel {
    background-color: white;
    color: black;
    border: 1px solid #9f9f9f;
}
```

```
.btn {
    background: transparent;
```

```
border: none;
cursor: pointer;
}
```

```
.btn-dlt {
  color: #d84949;
}
```

```
.btn-edit {
  color: #3e3e3e;
}
```

```
button i {
  font-size: 12px;
}
```

```
.searchDlt {
  width: 80%;
  display: flex;
  justify-content: space-between;
  align-items: center;
  margin: 1rem;
  gap: 1rem;
}
```

```
#search {
  padding: 10px 0;
  border: none;
```

```
width: 100%;  
}
```

```
.search-cont {  
  display: flex;  
  align-items: center;  
  border: 1px solid #ccc;  
  width: 40%;  
  color: #878787;  
  padding: 0 1rem;  
  border-radius: 20px;  
}
```

```
.search-cont i {  
  font-size: 14px;  
}
```

package.json

```
"ember-auto-import": "^2.10.0",  
"ember-cli": "~5.9.0",  
"ember-cli-app-version": "^7.0.0"
```

```
"ember-source": "~5.9.0",  
"ember-template-imports": "^4.0.0"
```