

Index.html

```
<!DOCTYPE html>
<html lang="en" ng-app="studentApp">
<head>
  <meta charset="UTF-8">
  <title>Student Management</title>
  <script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>
  <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular-
resource.min.js"></script>
  <link rel="stylesheet" href="styles.css">
</head>
<body ng-controller="StudentController">

  <h2>Student Management</h2>

  <form ng-submit="addOrUpdateStudent()">
    <input type="text" ng-model="student.Name" placeholder="Name" required>
    <input type="text" ng-model="student.DOB" placeholder="Date of Birth" required>
    <input type="text" ng-model="student.MobileNo" placeholder="Mobile Number"
required>
    <input type="text" ng-model="student.Subjects" placeholder="Subjects" required>

    <button type="submit">{{ student._id ? "Update Student" : "Add Student" }}</button>
    <button type="button" ng-click="clearForm()">Clear Form</button>
  </form>

  <table border="1">
    <thead>
      <tr>
        <th>Name</th>
        <th>Date of Birth</th>
        <th>Mobile Number</th>
        <th>Subjects</th>
        <th>Actions</th>
      </tr>
    </thead>
    <tbody>
      <tr ng-repeat="stu in students">
        <td>{{ stu.Name }}</td>
        <td>{{ stu.DOB }}</td>
        <td>{{ stu.MobileNo }}</td>
        <td>{{ stu.Subjects }}</td>
```

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        <td>
            <button ng-click="editStudent(stu)">Edit</button>
            <button ng-click="deleteStudent(stu._id)">Delete</button>
        </td>
    </tr>
</tbody>
</table>

```

```

<script>

```

```

var app = angular.module('studentApp', ['ngResource']);

```

```

app.controller('StudentController', ['$scope', '$http', function($scope, $http) {
    $scope.students = [];
    $scope.student = {};

```

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    $scope.fetchStudents = function() {
        $http.get('http://localhost:5000/fetch').then(function(response) {
            $scope.students = response.data;
        });
    };

```

```

    $scope.addOrUpdateStudent = function() {
        if ($scope.student._id) {

            $http.put('http://localhost:5000/update', $scope.student).then(function(response) {
                $scope.fetchStudents();
                $scope.clearForm();
            });
        } else {

            $http.post('http://localhost:5000/create', $scope.student).then(function(response) {
                $scope.fetchStudents();
                $scope.clearForm();
            });
        }
    };

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    $scope.deleteStudent = function(id) {
        $http({

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```

        method: 'DELETE',
        url: 'http://localhost:5000/delete',
        data: { id: id },
        headers: { 'Content-Type': 'application/json;charset=utf-8' }
    }).then(function(response) {
        $scope.fetchStudents();
    });
};

```

```

$scope.editStudent = function(stu) {
    $scope.student = angular.copy(stu);
};

```

```

$scope.clearForm = function() {
    $scope.student = {};
};

```

```

        $scope.fetchStudents();
    });
</script>
</body>
</html>
Server.js
const express=require("express");
const mongoose=require("mongoose");
const cors=require("cors");
const bodyParser=require("body-parser");
const app=express();
app.use(cors());
app.use(bodyParser.json());

mongoose
.connect("mongodb://localhost:27017/FSD",{
    useNewUrlParser: true,
    useUnifiedTopology: true,
})
.then(() => console.log("connected to MongoDB"))
.catch((error) =>
    console.log("Error occurred while connecting to mongo db" + error)
);

```

```

const studentSchema=new mongoose.Schema(
  {
    Name:String,
    DOB:String,
    MobileNo:String,
    Subjects:String,
  });

const studentModel=mongoose.model("fsds",studentSchema);
app.post("/create",async (req,res)=>{
  const {Name,DOB,MobileNo,Subjects}=req.body;
  const newStudent = new studentModel({
    Name:Name,
    DOB:DOB,
    MobileNo:MobileNo,
    Subjects:Subjects,
  })
  const studentSave= await newStudent.save();
  if(studentSave) res.json("Saved Students Details");
  else res.json("Not saved students details");
});
app.put("/update",async(req,res)=>{
  const{Name,DOB,MobileNo,Subjects,_id}=req.body;
  const studentUpdate= await studentModel.findByIdAndUpdate(_id,{
    Name:Name,
    DOB:DOB,
    MobileNo:MobileNo,
    Subjects:Subjects,
    new: true
  })
  if(studentUpdate) res.json("Student Details Updated Successfully");
  else res.json("Students Details not updated");
})
app.delete("/delete",async (req,res)=>{
  const {id}=req.body;
  const studentDelete= await studentModel.findByIdAndDelete(id);
  if(studentDelete) res.json("Student Details Deleted Successfully");
  else res.json("Student Details not Deleted");
});
app.get("/fetch", async (req,res)=>{
  const studentFetch= await studentModel.find();
  if (studentFetch) res.json(studentFetch);
  else res.json("Not Fetched");
}
}

```

```
);
app.listen(5000);
Output:
Read
```

Student Management

Name

Date of Birth

Mobile Number

Subjects

Add Student

Clear Form

Name	Date of Birth	Mobile Number	Subjects	Actions
Gowsi	08-10-2004	9476736262	CSE	<div>Edit</div> <div>Delete</div>
Kasthuri	13-03-2005	9477463362	ADS	<div>Edit</div> <div>Delete</div>
Raji	10-06-2004	9497533962	ECE	<div>Edit</div> <div>Delete</div>

Create

Student Management

Name

Date of Birth

Mobile Number

Subjects

Add Student

Clear Form

Name	Date of Birth	Mobile Number	Subjects	Actions
Kasthuri	13-03-2005	9477463362	CSE	<div>Edit</div> <div>Delete</div>
Raji	10-06-2004	9497533962	CSE	<div>Edit</div> <div>Delete</div>
Gowsi	08-10-2004	5968574663	CSE	<div>Edit</div> <div>Delete</div>
test1	09-8-2020	8765332234	EEE	<div>Edit</div> <div>Delete</div>

Update

Student Management

Name

Date of Birth

Mobile Number

Subjects

Add Student

Clear Form

Name	Date of Birth	Mobile Number	Subjects	Actions
Gowsi	08-10-2004	9476736262	CSE	<div>Edit</div> <div>Delete</div>
Kasthuri	13-03-2005	9477463362	CSE	<div>Edit</div> <div>Delete</div>
Raji	10-06-2004	9497533962	CSE	<div>Edit</div> <div>Delete</div>

Delete

Student Management

Name	Date of Birth	Mobile Number	Subjects	Actions
Kasthuri	13-03-2005	9477463362	CSE	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Raji	10-06-2004	9497533962	CSE	<input type="button" value="Edit"/> <input type="button" value="Delete"/>