

COMP 3123 - Assignment 02

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Course: **COMP3123 Assignment 02**

GitHub Backend Repo:

https://github.com/NisargPatel0711/101340403_COMP3123_Assignment1

GitHub Frontend Repo:

https://github.com/NisargPatel0711/101340403_comp3123_assignment2_reactjs

Vercel Backend Deployment Link:

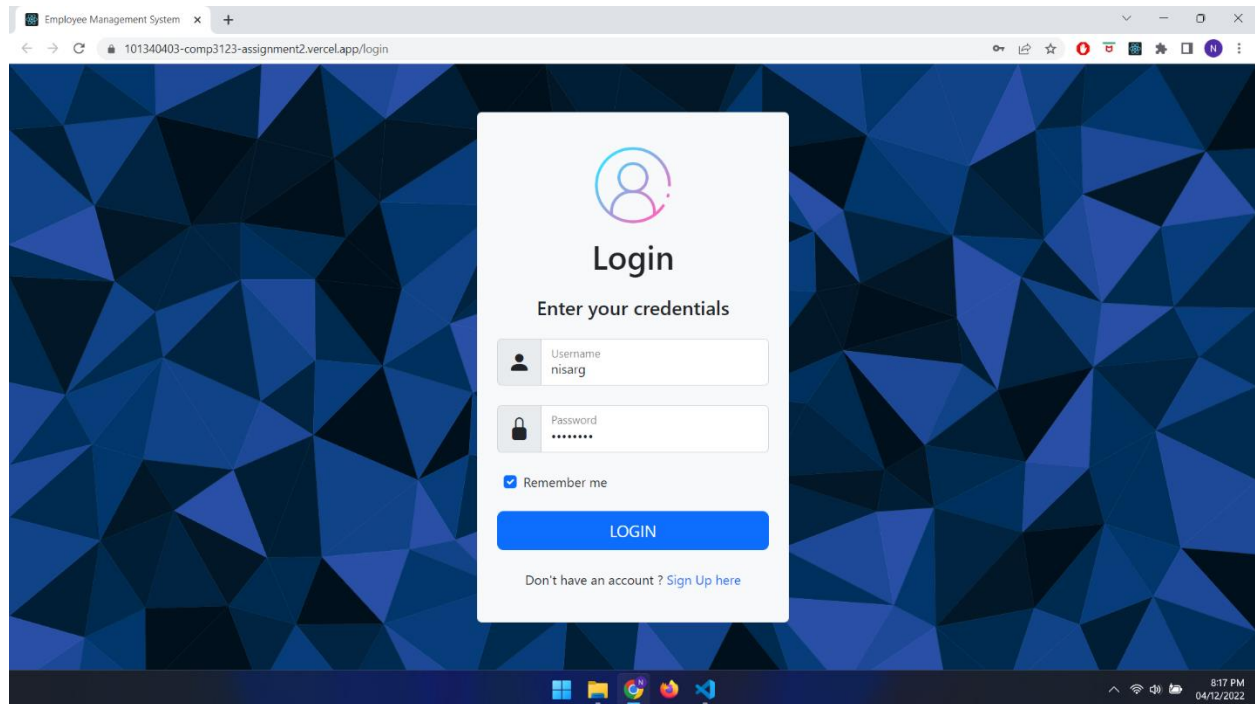
<https://101340403-comp-3123-assignment1.vercel.app/>

Vercel Frontend Deployment Link:

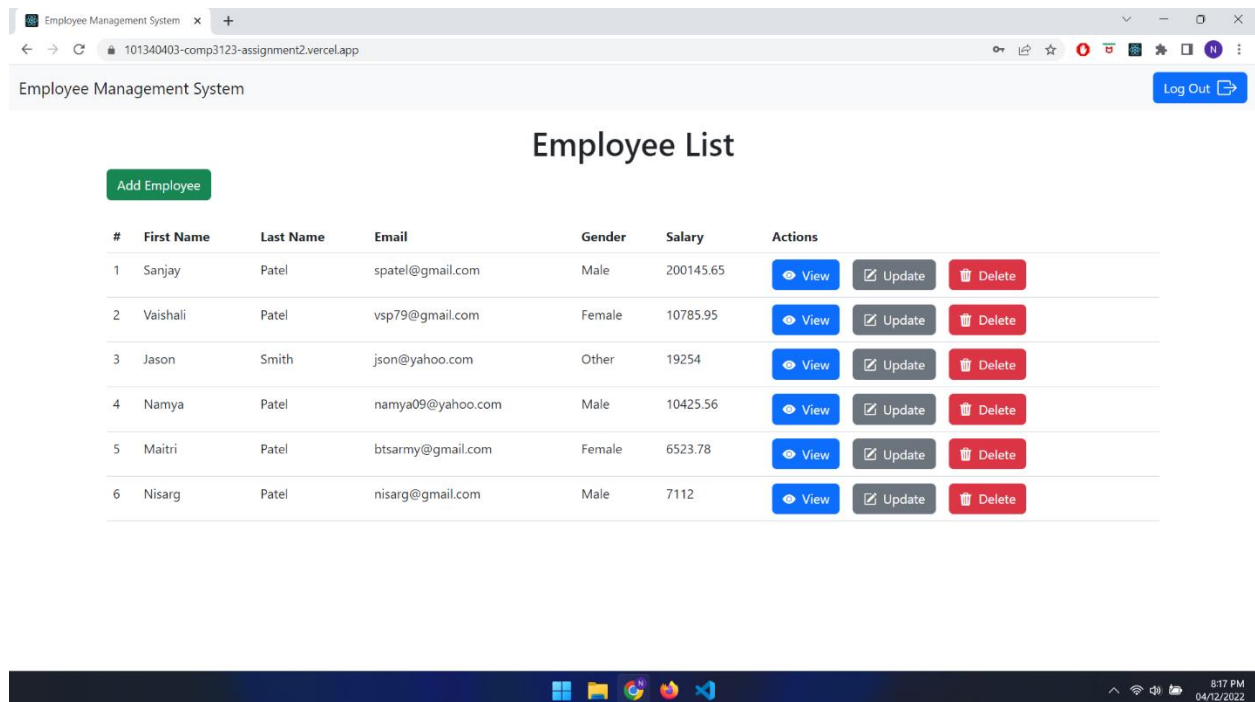
<https://101340403-comp3123-assignment2.vercel.app/>

React Application Screenshots

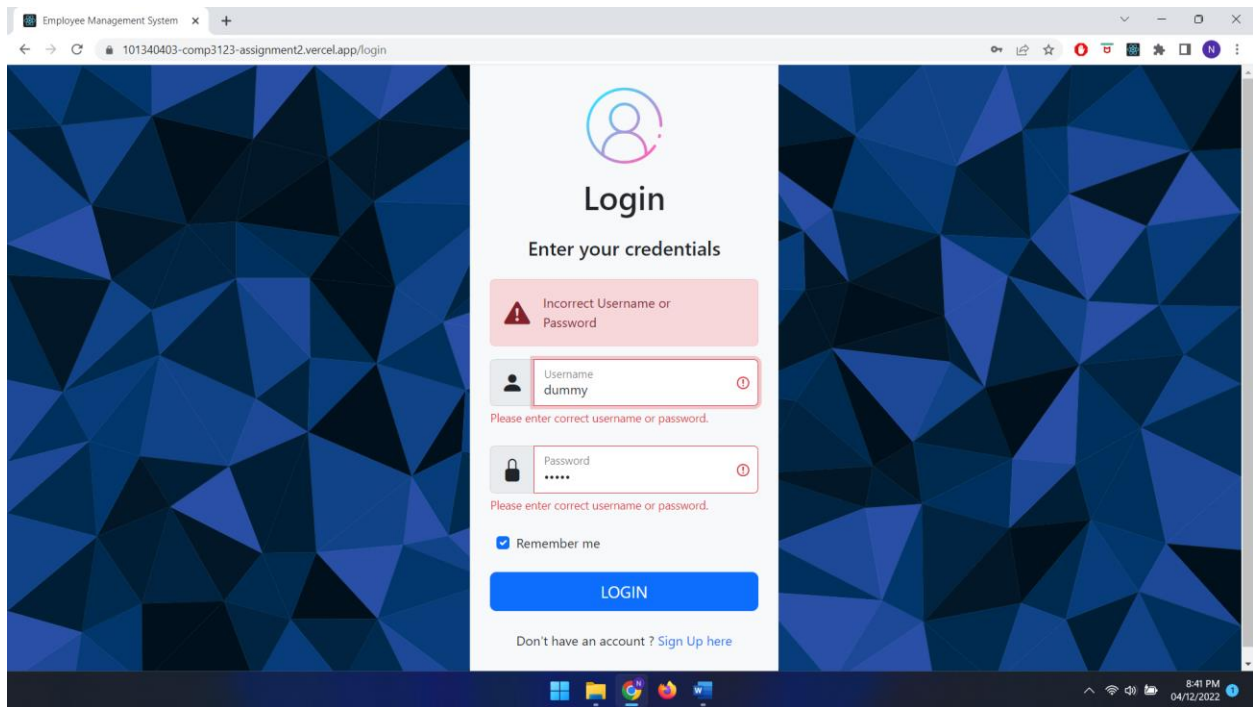
Login Page



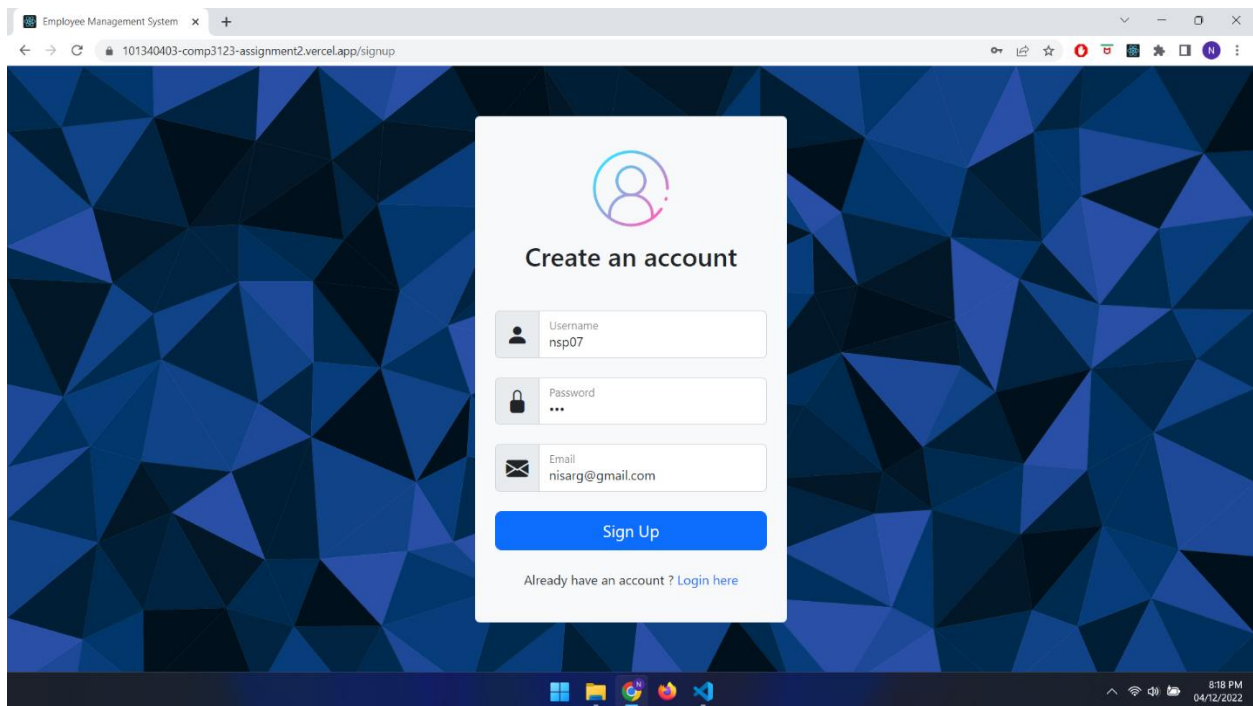
After Successful login with correct credentials, user is redirected to employee list page.



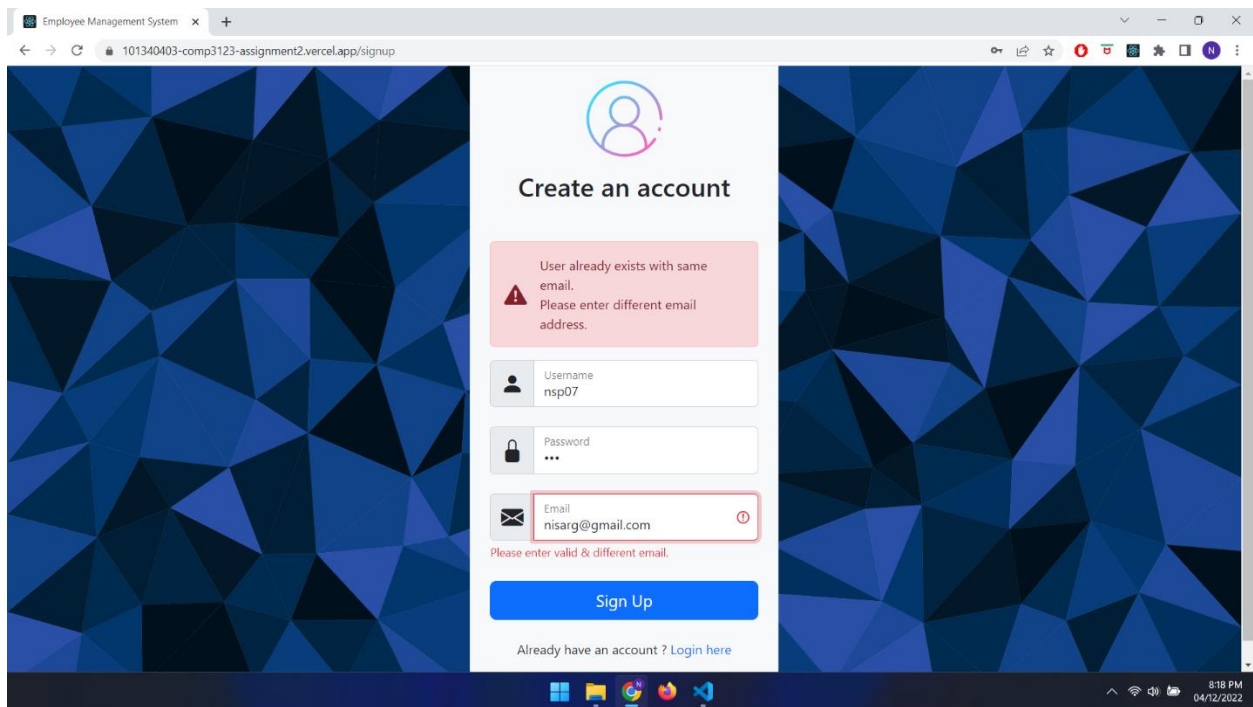
Error Message if credentials are wrong.



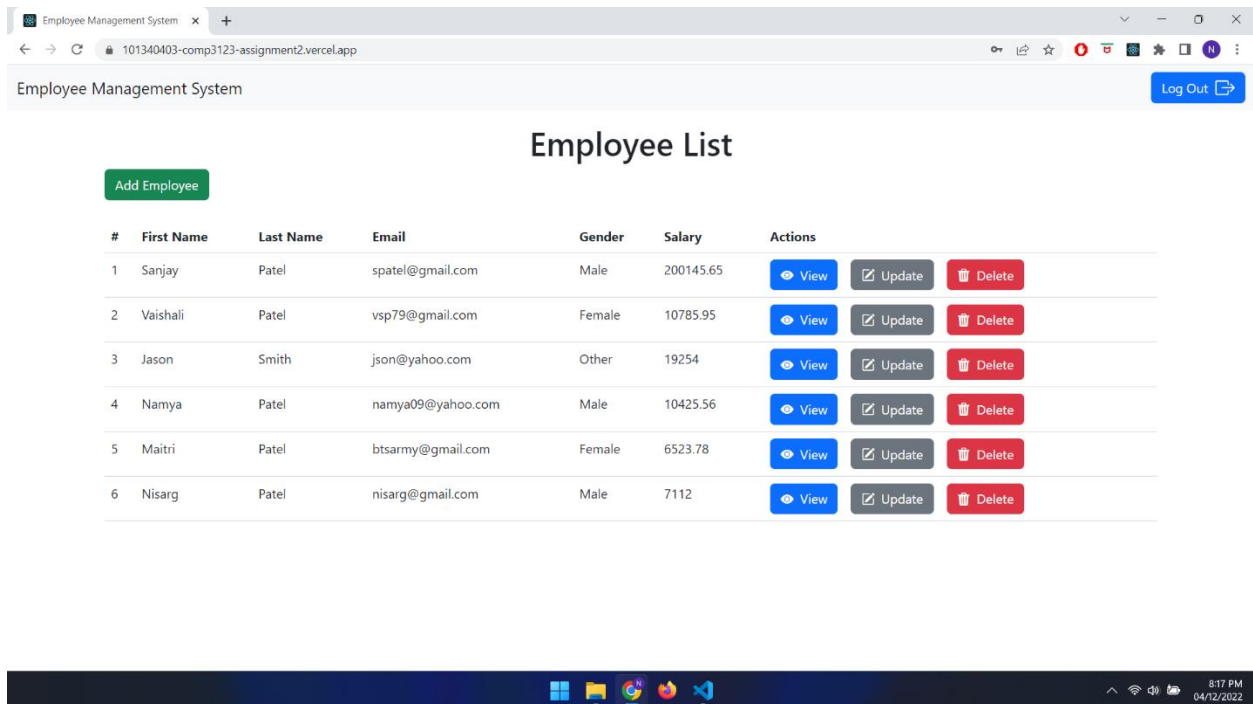
Sign Up Page



Error Message if the user already exists with same email address.



Employee List Page



Add Employee Page

The screenshot shows a web browser window with the title 'Employee Management System'. The address bar shows the URL '101340403-comp3123-assignment2.vercel.app/add'. The page has a 'Log Out' button in the top right corner. The main heading is 'Add Employee'. Below it is a form with the following fields: 'First Name' (text input with 'Nisarg'), 'Last Name' (text input with 'Patel'), 'Email' (text input with 'nisarg@gmail.com'), 'Gender' (dropdown menu with 'Male' selected), and 'Salary' (text input with '87968'). At the bottom of the form are three buttons: 'Save' (green), 'Reset' (grey), and 'Cancel' (red).

Employee Management System

Log Out

Add Employee

First Name
Nisarg

Last Name
Patel

Email
nisarg@gmail.com

Gender
Male

Salary
87968

Save Reset Cancel

Success Message when employee is successfully created.

The screenshot shows the 'Employee List' page in the 'Employee Management System'. A success message overlay is displayed in the center, stating 'Success' and 'New Employee added successfully!'. The overlay has a close button (X) and an 'OK' button. The background shows a table with 6 columns: '#', 'First Name', 'Last Name', 'Email', 'Gender', 'Salary', and 'Actions'. The table contains 6 rows of employee data. The 'Actions' column has three buttons: 'View', 'Update', and 'Delete'.

Employee Management System

Log Out

Employee List

Add Employee

#	First Name	Last Name	Email	Gender	Salary	Actions
1	Sanjay	Patel	spatel@gmail.com	Male	200145.65	View Update Delete
2	Vaishali	Patel	vsp79@gmail.com	Female	150000.00	View Update Delete
3	Jason	Smith	jason@yahoo.com	Male	120000.00	View Update Delete
4	Namya	Patel	namya09@gmail.com	Female	180000.00	View Update Delete
5	Maitri	Patel	btsarmy@gmail.com	Female	6523.78	View Update Delete
6	Nisarg	Patel	nisarg@gmail.com	Male	87968	View Update Delete

Error Message if employee already exist with same email address, because two employees cannot have same email.

Employee Management System

Log Out

Add Employee

Employee already exists with same email.
Please enter different email address.

First Name
Nisarg

Last Name
Patel

Email
spatel@gmail.com

Gender
Male

Salary
87968

View Specific Employee

Employee Management System

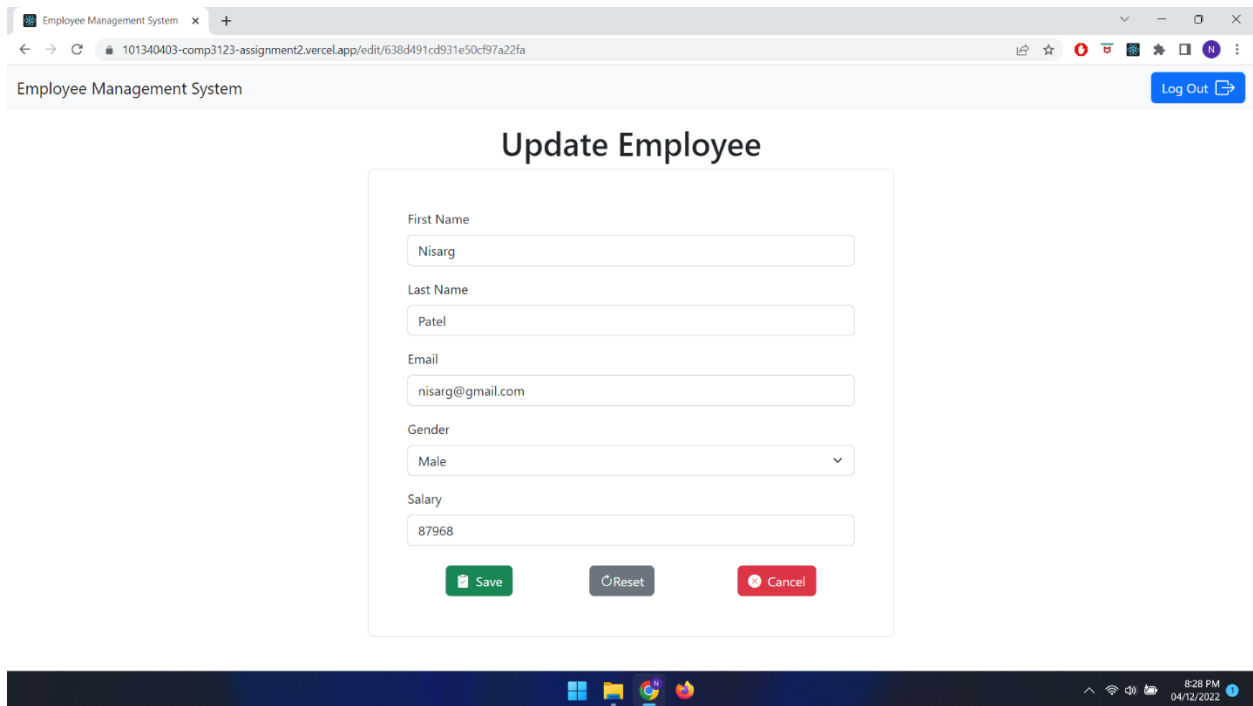
Log Out

View Employee

First Name	Nisarg
Last Name	Patel
Email	nisarg@gmail.com
Gender	Male
Salary	\$ 87968

Update Cancel

Update Employee



Employee Management System

Log Out

Update Employee

First Name
Nisarg

Last Name
Patel

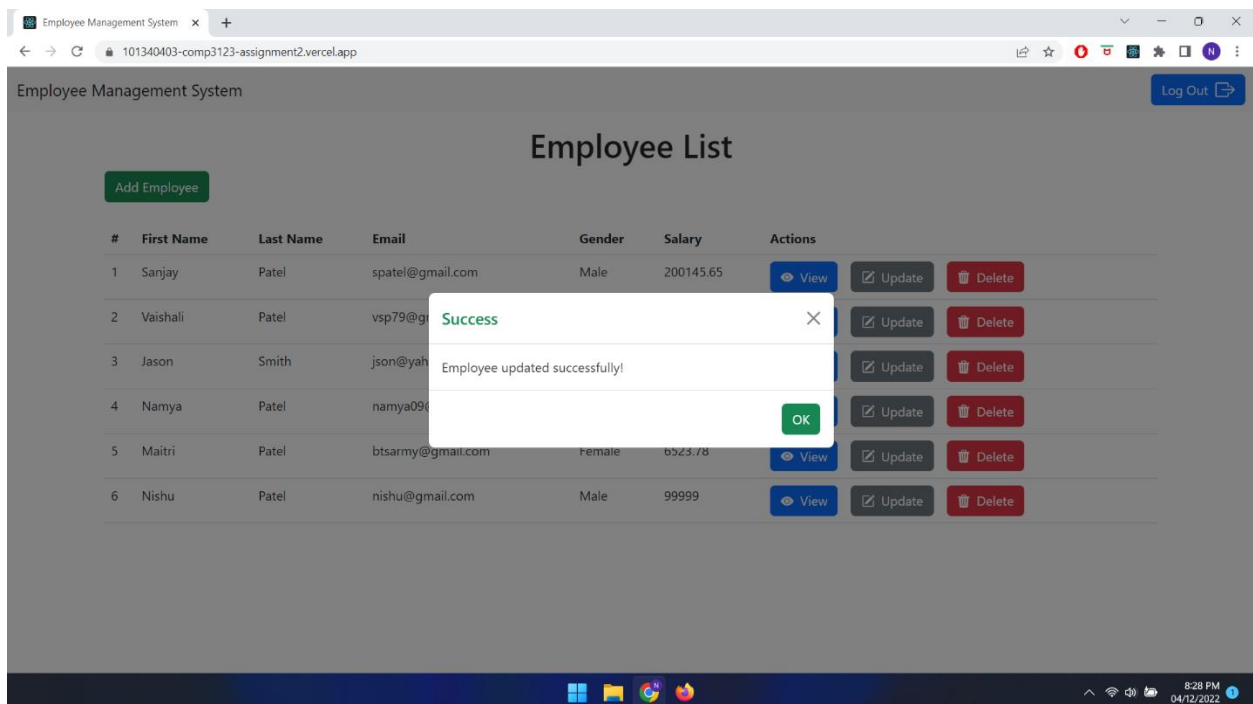
Email
nisarg@gmail.com

Gender
Male

Salary
87968

Save Reset Cancel

Success message when employee is successfully updated.



Employee Management System

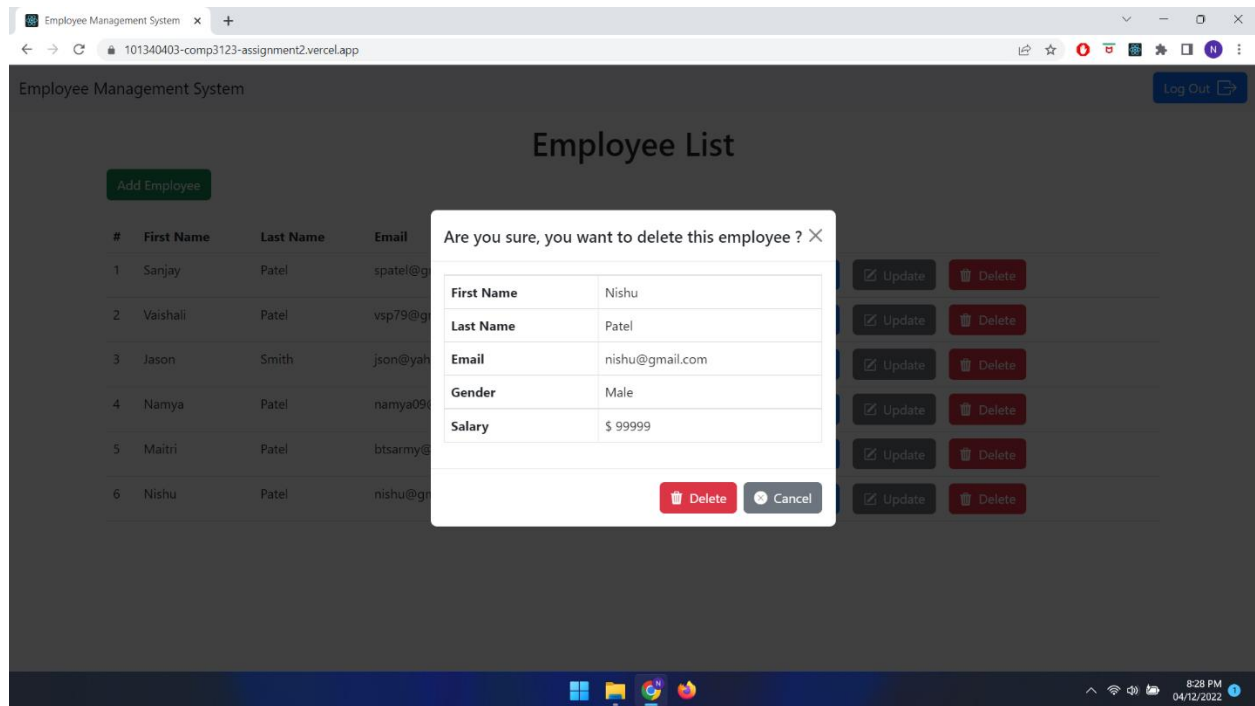
Log Out

Employee List

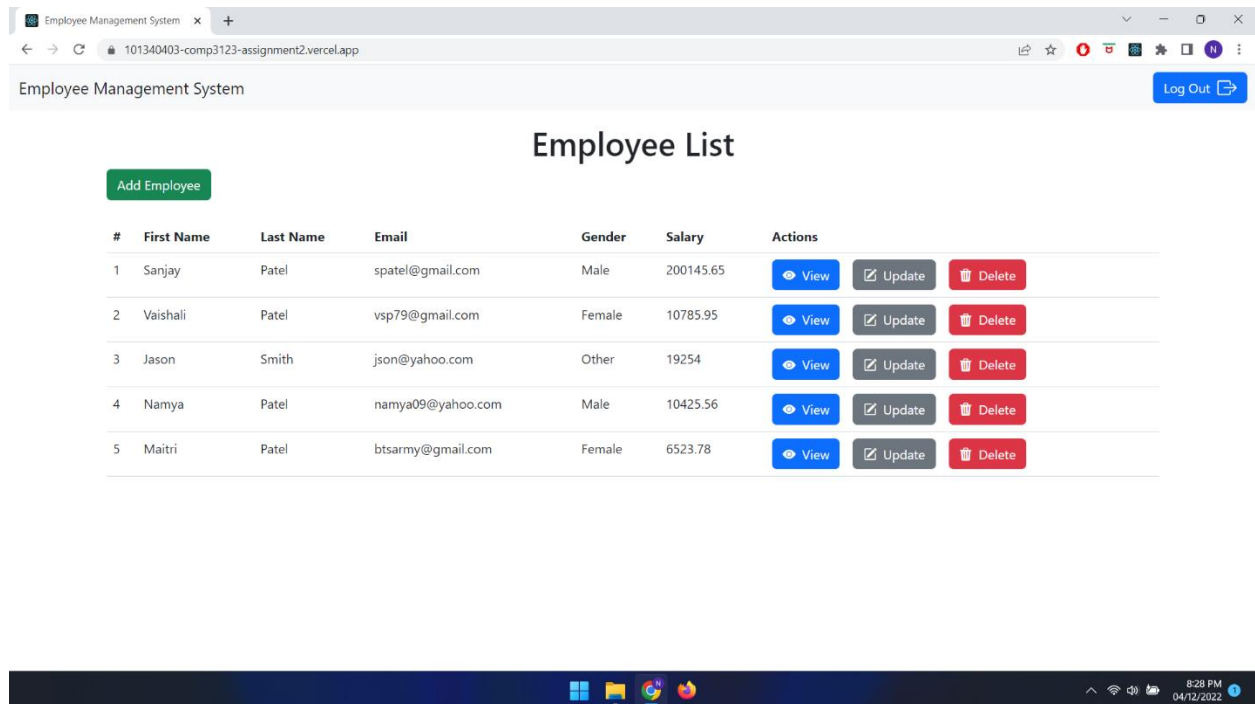
Add Employee

#	First Name	Last Name	Email	Gender	Salary	Actions
1	Sanjay	Patel	spatel@gmail.com	Male	200145.65	View Update Delete
2	Vaishali	Patel	vsp79@gmail.com	Female	150000	View Update Delete
3	Jason	Smith	jason@yahoo.com	Male	120000	View Update Delete
4	Namya	Patel	namya09@gmail.com	Female	180000	View Update Delete
5	Maitri	Patel	btsarmy@gmail.com	Female	6523.78	View Update Delete
6	Nishu	Patel	nishu@gmail.com	Male	99999	View Update Delete

Delete Employee



When confirmed with user, deletes the employee



Postman API

The screenshot shows the Postman interface with a workspace named 'My Workspace'. The left sidebar displays a collection of API endpoints under 'Heroku/Vercel API / Employee'. The main panel shows a POST request to 'https://101340403-comp-3123-assignment1.vercel.app/api/emp/employees'. The request body is a JSON object with employee details. The response is displayed in the 'Body' tab, showing a successful status 201 and a new employee ID.

Request:

```
POST https://101340403-comp-3123-assignment1.vercel.app/api/emp/employees
```

Body (JSON):

```
{  "first_name": "Nisarg",  "last_name": "Patel",  "email": "nisarg@gmail.com",  "gender": "Male",  "salary": 7112}
```

Response (JSON):

```
{  "first_name": "Nisarg",  "last_name": "Patel",  "email": "nisarg@gmail.com",  "gender": "Male",  "salary": 7112,  "_id": "638d422f95efaf4739b89",  "__v": 0}
```

The screenshot shows the Postman interface with the same workspace. The main panel shows a GET request to 'http://101340403-comp-3123-assignment1.vercel.app/api/emp/employees'. The response is displayed in the 'Body' tab, showing a successful status 200 and a list of three employees.

Request:

```
GET http://101340403-comp-3123-assignment1.vercel.app/api/emp/employees
```

Response (JSON):

```
[  {    "_id": "6352f4ebbc49b8afd5f94389",    "first_name": "Sanjay",    "last_name": "Patel",    "email": "spatel@gmail.com",    "gender": "Male",    "salary": 200145.65,    "__v": 0  },  {    "_id": "6352f508bc49b8afd5f9438b",    "first_name": "Vaishali",    "last_name": "Patel",    "email": "vsp79@gmail.com",    "gender": "Female",    "salary": 10785.95,    "__v": 0  },  {    "_id": "6352f52bbc49b8afd5f9438d",    "first_name": "Jason",    "last_name": "Smith"  }]
```

Home Workspaces API Network Explore Search Postman

My Workspace New Import Overview POST Signup POST Signup POST Create Em GET Get All Employees GET Get Specific Em No Environment

Heroku/Vercel API / Employee / Get Specific Employee

GET http://101340403-comp-3123-assignment1.vercel.app/api/emp/employees/6352f5b3bc49b8afd5f94395 Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Body Cookies Headers (13) Test Results Status: 200 OK Time: 112 ms Size: 621 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "id": "6352f5b3bc49b8afd5f94395",
3   "first_name": "Dhvanit",
4   "last_name": "Prjapeti",
5   "email": "dp64@gmail.com",
6   "gender": "Male",
7   "salary": 9956.15,
8   "___v": 0
9 }
```

Online Find and Replace Console Cookies Capture requests Runner Trash 7:59 PM 04/12/2022

Home Workspaces API Network Explore Search Postman

My Workspace New Import Overview POST Signup POST Signup POST Create Em GET Get All Emplo GET Get Specific PUT Update Em No Environment

Heroku/Vercel API / Employee / Update Employee

PUT http://101340403-comp-3123-assignment1.vercel.app/api/emp/employees/6352f5b3bc49b8afd5f94395 Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "first_name": "Dhvanit",
3   "last_name": "Patel",
4   "email": "dhvanit@gmail.com",
5   "gender": "Male",
6   "salary": 66542
7 }
```

Body Cookies Headers (12) Test Results Status: 200 OK Time: 172 ms Size: 705 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "status": true,
3   "message": "6352f5b3bc49b8afd5f94395 Updated successfully",
4   "updatedEmployee": {
5     "id": "6352f5b3bc49b8afd5f94395",
6     "first_name": "Dhvanit",
7     "last_name": "Prjapeti",
8     "email": "dp64@gmail.com",
9     "gender": "Male",
10    "salary": 9956.15,
11    "___v": 0
12  }
13 }
```

Online Find and Replace Console Cookies Capture requests Runner Trash 8:00 PM 04/12/2022

Home Workspaces API Network Explore Search Postman

My Workspace New Import Overview POST Signu POST Signu POST Creat GET Get All E GET Get Sp PUT Update DEL Delete social + No Environment

Heroku/Vercel API / Employee / Delete Employee

DELETE http://101340403-comp-3123-assignment1.vercel.app/api/employees?eid=6352f5b3bc49b8afd5f94395 Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> eid	6352f5b3bc49b8afd5f94395	
Key	Value	Description

Body Cookies Headers (10) Test Results Status: 204 No Content Time: 117 ms Size: 406 B Save Response

Pretty Raw Preview Visualize Text 1

Online Find and Replace Console Cookies Capture requests Runner Trash 8:01 PM 04/12/2022

Home Workspaces API Network Explore Search Postman

My Workspace New Import POST Signup POST Login + No Environment

Heroku/Vercel API / Users / Login

POST https://101340403-comp-3123-assignment1.vercel.app/api/user/login Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "username": "nisaeg",
3   "password": "nisaeg07"
4 }
```

Body Cookies Headers (12) Test Results Status: 201 Created Time: 72 ms Size: 545 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "status": true,
3   "username": "nisaeg",
4   "message": "User logged in successfully"
5 }
```

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Home Workspaces API Network Explore Search Postman

My Workspace New Import POST Signup POST Login No Environment

Heroku/Vercel API / Users / Login

POST https://101340403-comp-3123-assignment1.vercel.app/api/user/login Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 POST
2 {
3   "username": "nisarg",
4   "password": "nisarg11"
5 }
```

Body Cookies Headers (12) Test Results Status: 404 Not Found Time: 73 ms Size: 530 B Save Response

Pretty Raw Preview Visualize JSON

```
1 POST
2 {
3   "status": false,
4   "message": "Invalid Username and password"
5 }
```

Online Find and Replace Console Cookies Capture requests Runner Trash 8:02 PM 04/12/2022

Home Workspaces API Network Explore Search Postman

My Workspace New Import POST Signup POST Login No Environment

Heroku/Vercel API / Users / Signup

POST http://101340403-comp-3123-assignment1.vercel.app/api/user/signup Send

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies Beautify

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 POST
2 {
3   "username": "nishu",
4   "email": "nishu@gmail.com",
5   "password": "nishu11"
6 }
```

Body Cookies Headers (12) Test Results Status: 201 Created Time: 1296 ms Size: 579 B Save Response

Pretty Raw Preview Visualize JSON

```
1 POST
2 {
3   "username": "nishu",
4   "email": "nishu@gmail.com",
5   "password": "nishu11",
6   "_id": "638d564174b09acd97e8a6d2",
7   "_v": 0
8 }
```

Online Find and Replace Console Cookies Capture requests Runner Trash 8:58 PM 04/12/2022

MongoDB Screenshots

The screenshot shows the MongoDB Atlas web interface. The left sidebar contains navigation options: DEPLOYMENT, Database, DATA SERVICES, and SECURITY. The main panel displays the 'employees' collection in the 'comp3123_assignment1' database. The top status bar indicates: STORAGE SIZE: 36KB, LOGICAL DATA SIZE: 812B, TOTAL DOCUMENTS: 6, INDEXES TOTAL SIZE: 72KB. The 'Find' tab is active, showing a filter bar with the text '{ field: 'value' }'. Below the filter, the 'QUERY RESULTS: 1-6 OF 6' are displayed as JSON documents. The first document is:

```
{ "_id": ObjectId("6352f4ebbc49b8afd5f94389"), "first_name": "Sanjay", "last_name": "Patel", "email": "spatel@gmail.com", "gender": "Male", "salary": 200145.65, "__v": 0 }
```

 The second document is:

```
{ "_id": ObjectId("6352f588bc49b8afd5f9438b"), "first_name": "Vaishali", "last_name": "Patel", "email": "vsp79@gmail.com", "gender": "Female", "salary": 150000.0, "__v": 0 }
```

 The bottom status bar shows 'System Status: All Good' and '©2022 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales'.

The screenshot shows the MongoDB Atlas web interface. The left sidebar contains navigation options: DEPLOYMENT, Database, DATA SERVICES, and SECURITY. The main panel displays the 'users' collection in the 'comp3123_assignment1' database. The top status bar indicates: STORAGE SIZE: 36KB, LOGICAL DATA SIZE: 103B, TOTAL DOCUMENTS: 1, INDEXES TOTAL SIZE: 72KB. The 'Find' tab is active, showing a filter bar with the text '{ field: 'value' }'. Below the filter, the 'QUERY RESULTS: 1-1 OF 1' are displayed as a single JSON document:

```
{ "_id": ObjectId("638d431b9f5ecf4c4739b8a"), "username": "nisarg", "email": "nisarg@gmail.com", "password": "nisarg87", "__v": 0 }
```

 The bottom status bar shows 'System Status: All Good' and '©2022 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales'.