

WTA Practical Assignment

On

Employee Appraisal Management System

for the course

IT254 : Web Technology and Applications

Submitted by

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IV SEM B.Tech (IT)

Under the guidance of

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in partial fulfillment for the award of the degree

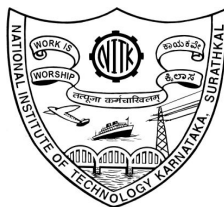
of

Bachelor of Technology

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Information Technology

at



Department of Information Technology

National Institute of Technology Karnataka, Surathkal.

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Modules

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Technologies Used

Frontend: AngularJS

Backend: Express and Nodejs

Database: MongoDB

Pre Installation

Install npm packages using 'npm install' command.

```
npm i --s express@4.16.4 mongoose@5.6.19 body-parser@1.18.3  
express-handlebars@3.0.0
```

Github Link

<https://github.com/Chinmayi27/Employee-Appraisal-Management-System/tree/master>

Working

employeeController.js :

It is used to connect the backend to the frontend.

Mongoose connects Nodejs to MongoDB.

The router has middleware functions for:

- GET operations at the path '/' that returns all the appraisal records
- POST operations at the path '/' to submit a new appraisal record
- PUT operations at the path('/:id>' to update an existing appraisal record
- DELETE operations at the path '/delete/:id>' to delete an existing appraisal record

function insertRecord is used for inserting record to the database

function updateRecord is used for updating a record in the database

function handleValidationError is used to alert errors in the type of entry

Screenshots

The screenshot shows a web browser window with the URL `localhost:3000/employee`. The page displays a form titled "Employee Appraisal Management System". The form contains the following fields and values:

- Full Name: Clara
- Email: clara123@gmail.com
- Mobile: 7349152527
- City: California

At the bottom of the form, there are two buttons: "Submit" and "View All".

Fig 1. Inserting Values

The screenshot shows a web browser window with the URL `localhost:3000/employee/list`. The page displays a table titled "Employee List" with a "+ Create New" button. The table contains the following data:





Full Name	Email	Mobile	City	
Sushma	sushmam@gmail.com	2345678123	hughjm	 
Clara	clara123@gmail.com	7349152527	California	 

Fig 2. After Insertion

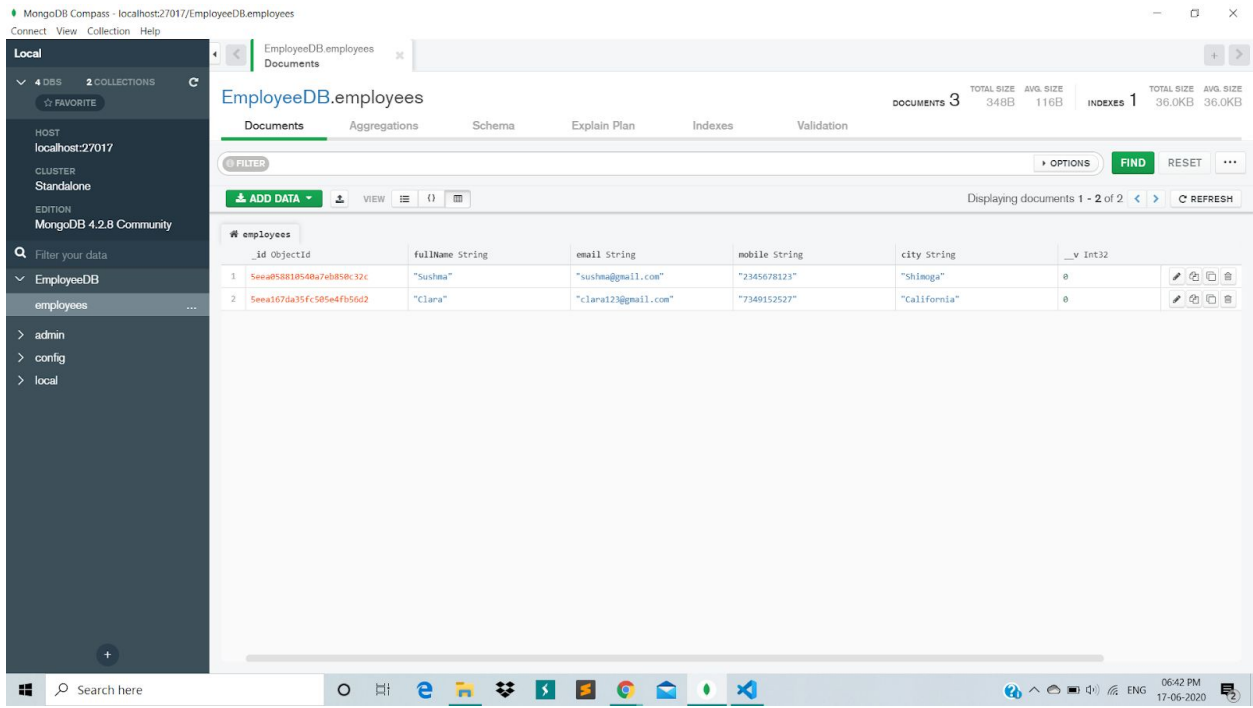


Fig 3. Database after Insertion

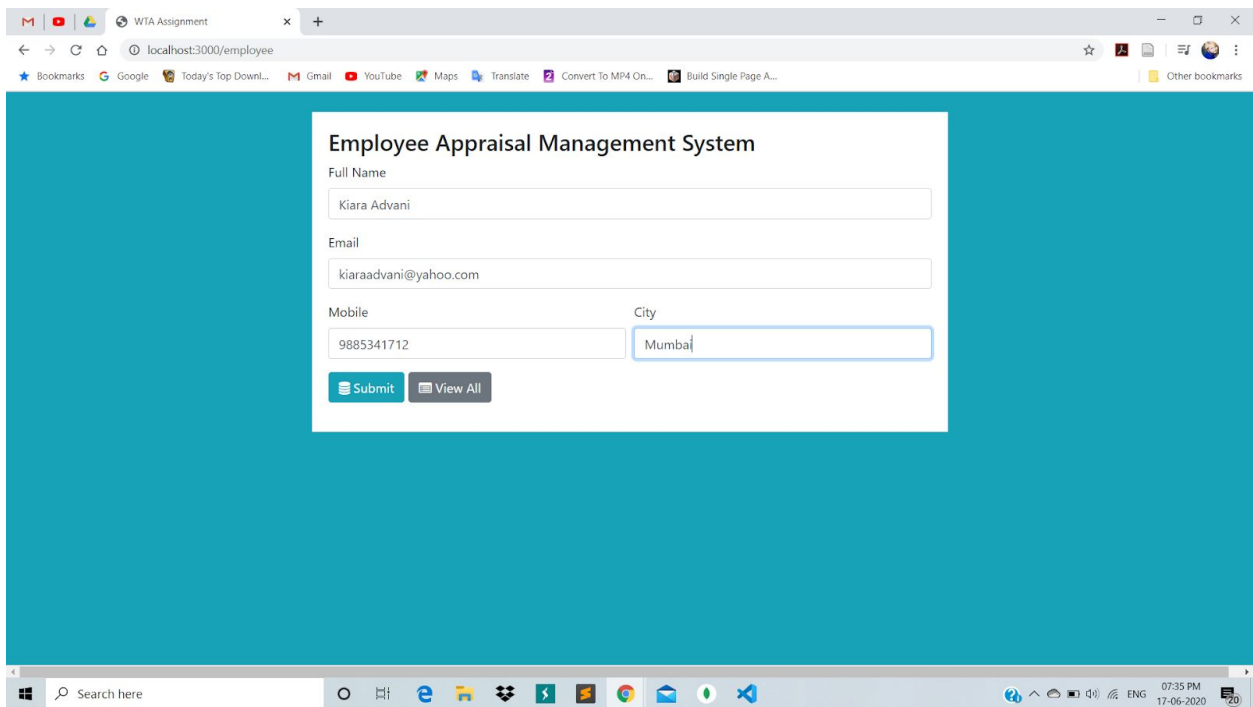


Fig 4. Inserting another entry

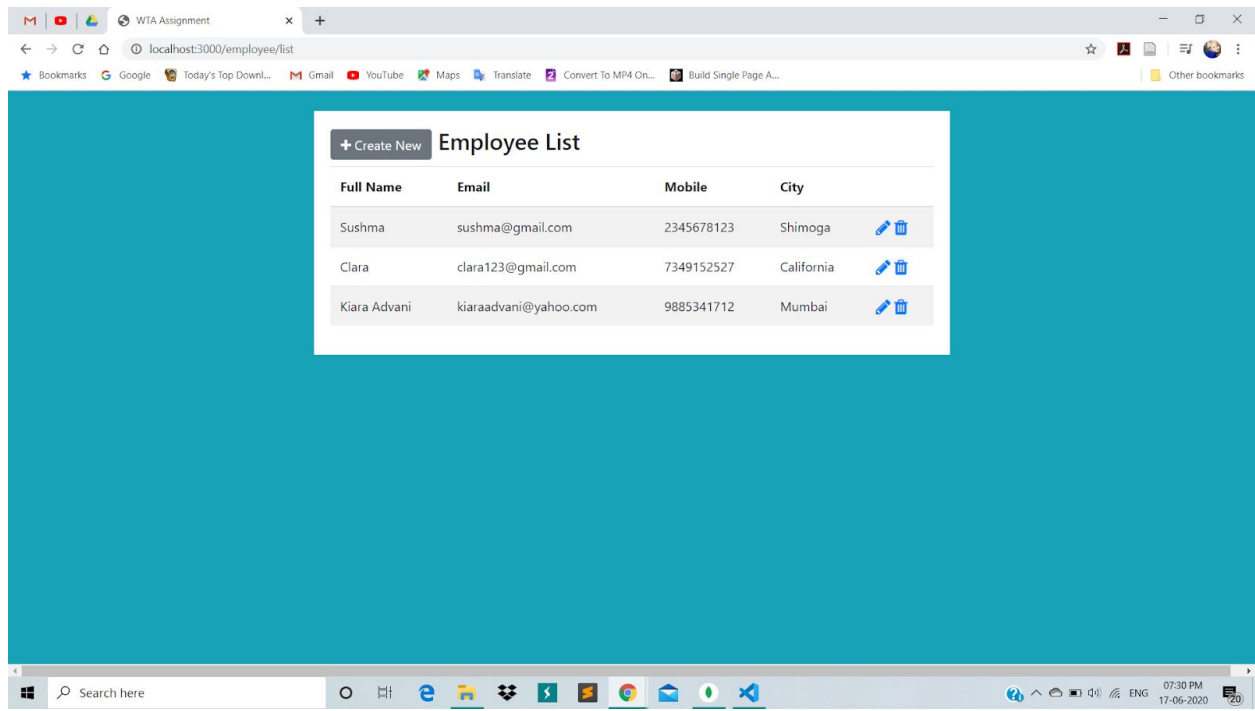


Fig 5. Table showing the third entry

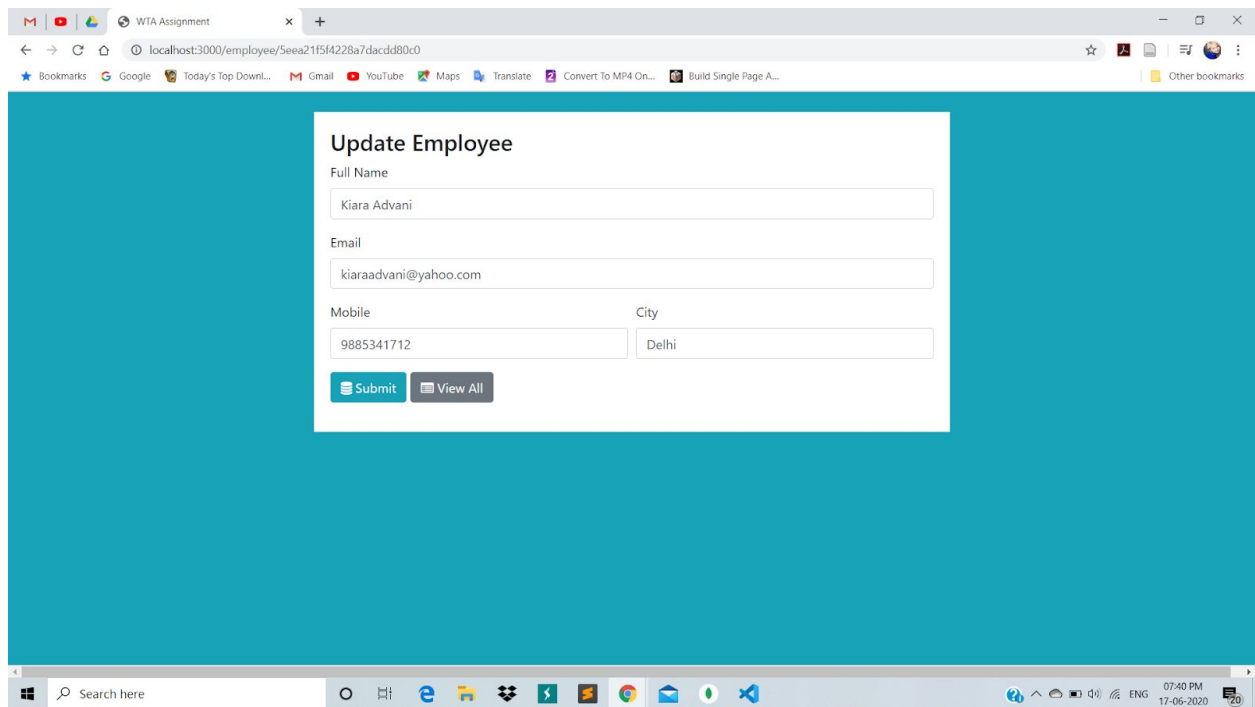


Fig 6. Updating the City

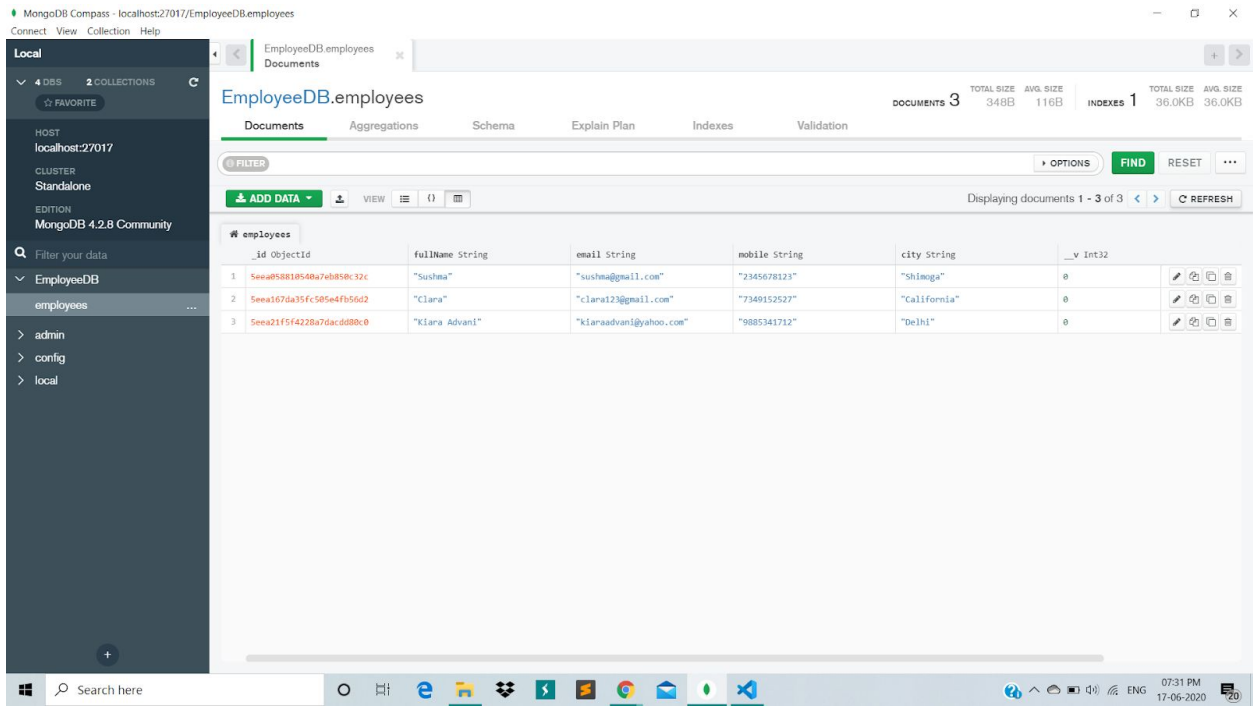


Fig 7. Database after Updation

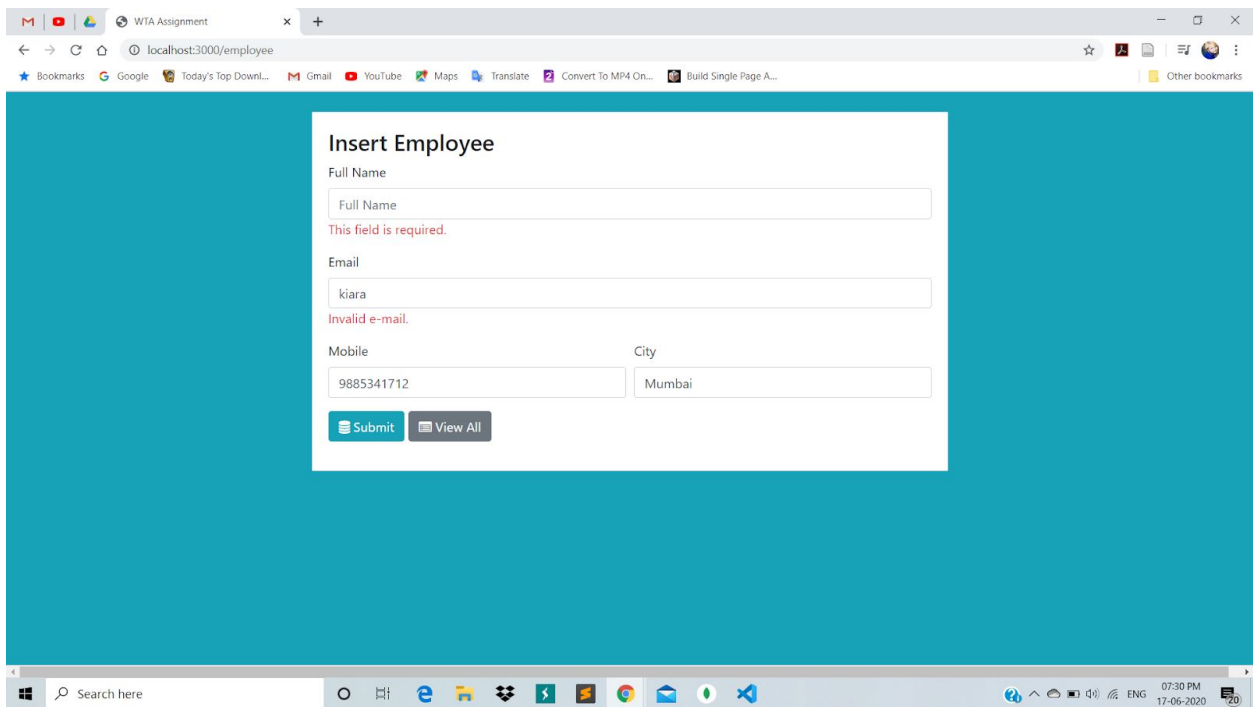


Fig 8. Error Handling in the form

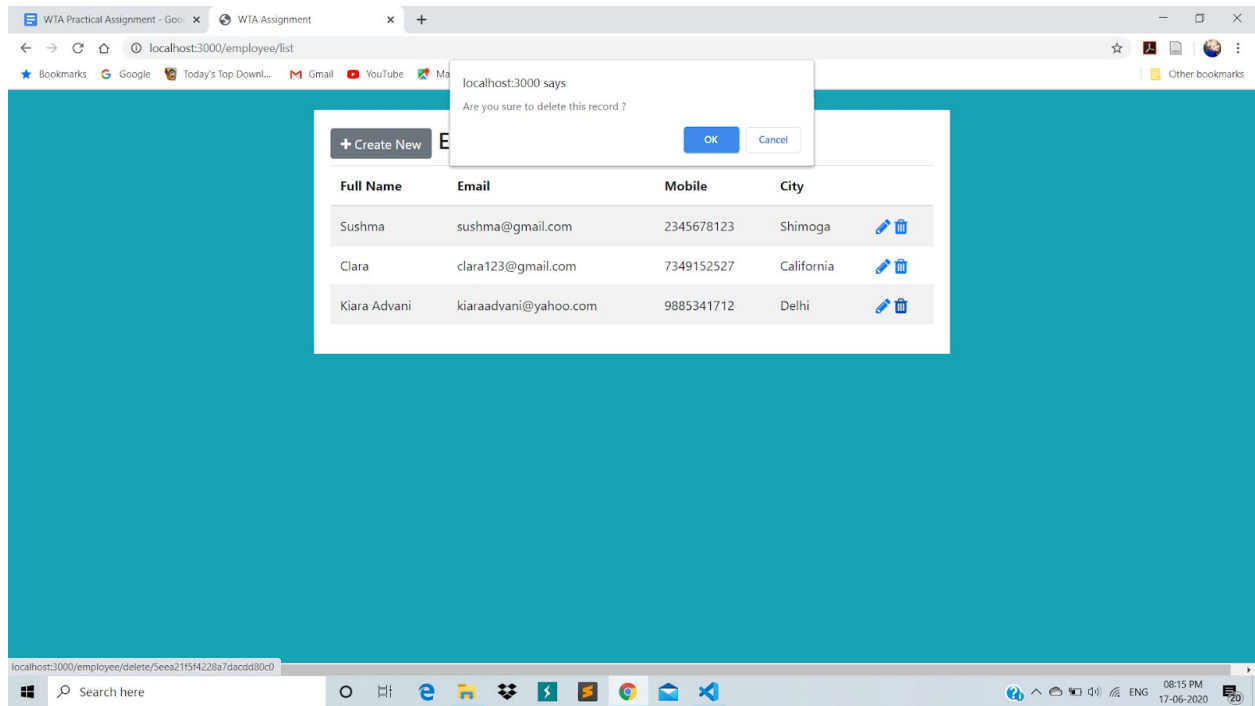


Fig 9. Deletion of the record

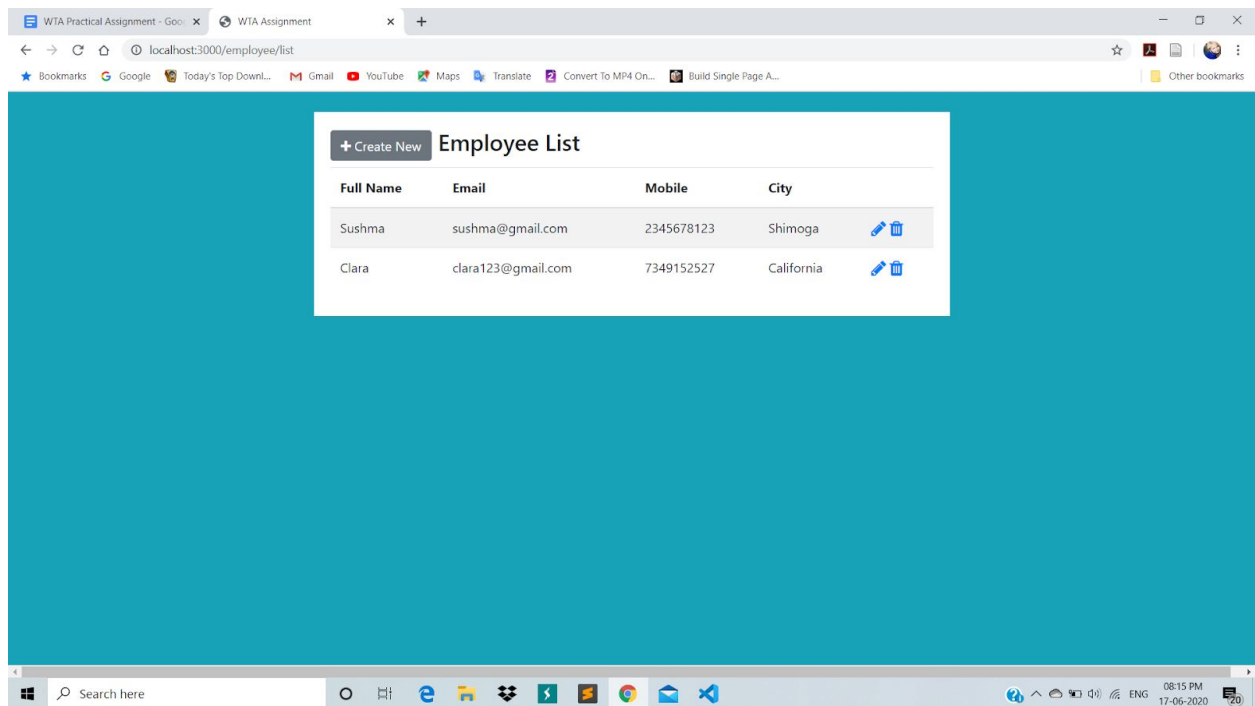


Fig 10. After deleting the record

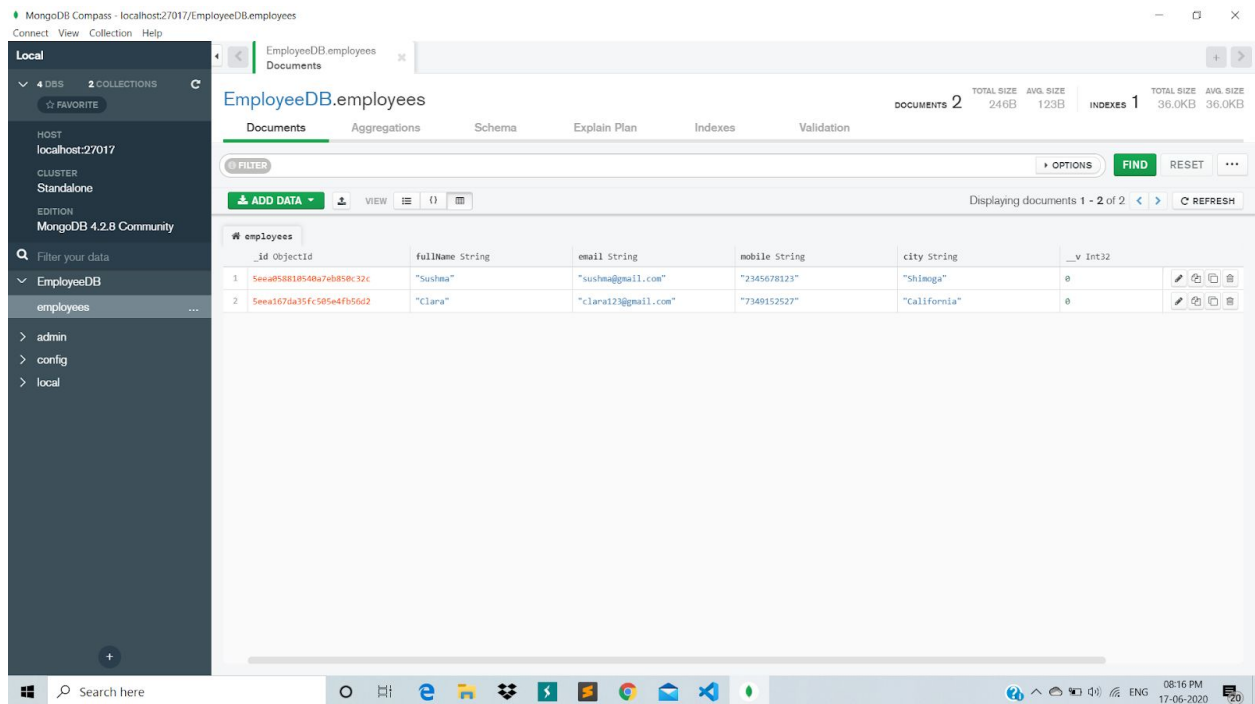


Fig 11. Database after deletion