

Assignment 3B

Server.js

```
require('./models/db');
const express = require('express');
const path = require('path');
const exphbs = require('express-handlebars');
const bodyparser = require('body-parser');
const employeeController = require('./controllers/employeeController');
var app = express();
app.use(bodyparser.urlencoded({
  extended: true
}));
app.use(bodyparser.json());
app.set('views', path.join(__dirname, '/views/'));
app.engine('hbs', exphbs({ extname: 'hbs', defaultLayout: 'mainLayout', layoutsDir: __dirname +
  '/views/layouts/' }));
app.set('view engine', 'hbs');
app.listen(3000, () => {
  console.log('Express server started at port : 3000');
});
app.use('/employee', employeeController);
```

db.js

```
const mongoose = require('mongoose');
mongoose.connect('mongodb://localhost:27017/EmployeeDB', { useNewUrlParser: true }, (err) => {
  if (!err) { console.log('MongoDB Connection Succeeded.') }
  else { console.log('Error in DB connection : ' + err) }
});
require('./employee.model');
```

employee.model.js

```
const mongoose = require('mongoose');
var employeeSchema = new mongoose.Schema({
  fullName: {
    type: String,
    required: 'This field is required.'
  },
  email: {
    type: String
  },
  mobile: {
    type: String
  },
  city: {
    type: String
  }
});
// Custom validation for email
employeeSchema.path('email').validate((val) => {
```

```

emailRegex = /^([<>()\\[\]\\.,:;\s@"]+(\.[^<>()\\[\]\\.,:;\s@"]+)*)(["'+"])?@((\[[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.([a-zA-Z]{2,})$|((\[[a-zA-Z]{0-9}+\.[a-zA-Z]{2,}))$)/;
return emailRegex.test(val);
}, 'Invalid e-mail. ');
mongoose.model('Employee', employeeSchema);

```

mainlayouts.hbs

```

<!DOCTYPE html>
<html>
<head>
<title>Node.js express MongoDB CRUD</title>
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkFOJwJ8ERdknLPMO"
crossorigin="anonymous">
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-
awesome.min.css">
</head>
<body class="bg-info">
<div class="row">
<div class="col-md-6 offset-md-3" style="background-color: #fff;margin-top: 25px;padding:20px;">
{{{body}}}
</div>
</div>
</body>
</html>

```

addOrEdit.hbs

```

<h3>{{viewTitle}}</h3>
<form action="/employee" method="POST" autocomplete="off">
<input type="hidden" name="_id" value="{{employee._id}}">
<div class="form-group">
<label>Full Name</label>
<input type="text" class="form-control" name="fullName" placeholder="Full Name"
value="{{employee.fullName}}">
<div class="text-danger">
{{employee.fullNameError}}</div>
</div>
<div class="form-group">
<label>Email</label>
<input type="text" class="form-control" name="email" placeholder="Email"
value="{{employee.email}}">
<div class="text-danger">
{{employee.emailError}}</div>
</div>
<div class="form-row">
<div class="form-group col-md-6">
<label>Mobile</label>
<input type="text" class="form-control" name="mobile" placeholder="Mobile"
value="{{employee.mobile}}">

```

```

</div>
<div class="form-group col-md-6">
<label>City</label>
<input type="text" class="form-control" name="city" placeholder="City" value="{{employee.city}}">
</div>
</div>
<div class="form-group">
<button type="submit" class="btn btn-info"><i class="fa fa-database"></i> Submit</button>
<a class="btn btn-secondary" href="/employee/list"><i class="fa fa-list-alt"></i> View All</a>
</div>
</form>

```

Output :-

The screenshot displays a web application running on localhost:3000/employee. The page features a teal background with a white form titled "Insert Employee". The form includes the following fields and controls:

- Full Name:** A text input field containing the value "Abc".
- Email:** A text input field containing the value "abc@gmail.com".
- Mobile:** A text input field containing the value "9743674454".
- City:** A text input field containing the value "Pune".
- Buttons:** Two buttons are located at the bottom of the form: a teal "Submit" button and a grey "View All" button.

The browser's address bar shows the URL "localhost:3000/employee". The Windows taskbar at the bottom indicates the system temperature is 36°C, it is sunny, and the time is 03:45 PM on 15-05-2023.

