

## server.js

```
const express = require('express');
const cors = require("cors");
const bodyParser = require('body-parser');
const app = express();
app.use(bodyParser.urlencoded({ extended: true }))
app.use(bodyParser.json())
app.use(cors());
const dbConfig = require('./config/database.config.js');
const mongoose = require('mongoose');
mongoose.Promise = global.Promise;
mongoose.connect(dbConfig.url, {
  useNewUrlParser: true
}).then(() => {
  console.log("Database Connected Successfully!!!");
}).catch(err => {
  console.log('Could not connect to the database', err);
  process.exit();
});

app.get('/', (req, res) => {
  res.json({"message": "Hello Crud Node Express"});
});
app.listen(4000, () => {
  console.log("Server is listening on port 4000");
});
const UserRoute = require('./app/routes/user')
app.use('/user', UserRoute)
```

## modeluser.js

```
var mongoose = require('mongoose');
var schema = new mongoose.Schema({
  email: {
    type: String,
    required: true,
    unique: true
  },
  firstName: {
    type: String,
    default: ""
  },
  lastName: {
```

```

        type: String,
        default: ""
    },
    phone: String,
});
var user = new mongoose.model('User', schema);
module.exports = user;

```

controllers/User.js

```

const UserModel = require('../model/user')
// Create and Save a new user
exports.create = async (req, res) => {
    if (!req.body.email && !req.body.firstName && !req.body.lastName && !req.body.phone) {
        res.status(400).send({ message: "Content can not be empty!" });
    }

    const user = new UserModel({
        email: req.body.email,
        firstName: req.body.firstName,
        lastName: req.body.lastName,
        phone: req.body.phone
    });

    await user.save().then(data => {
        res.send({
            message:"User created successfully!!",
            user:data
        });
    }).catch(err => {
        res.status(500).send({
            message: err.message || "Some error occurred while creating user"
        });
    });
};

// Retrieve all users from the database.
exports.findAll = async (req, res) => {
    try {
        const user = await UserModel.find();
        res.status(200).json(user);
    } catch(error) {
        res.status(404).json({message: error.message});
    }
}

```

```

};

// Find a single User with an id
exports.findOne = async (req, res) => {
    try {
        const user = await UserModel.findById(req.params.id);
        res.status(200).json(user);
    } catch(error) {
        res.status(404).json({ message: error.message});
    }
};

// Update a user by the id in the request
exports.update = async (req, res) => {
    if(!req.body) {
        res.status(400).send({
            message: "Data to update can not be empty!"
        });
    }
}

const id = req.params.id;

await UserModel.findByIdAndUpdate(id, req.body, { useFindAndModify: false }).then(data => {
    if (!data) {
        res.status(404).send({
            message: `User not found.`
        });
    }else{
        res.send({ message: "User updated successfully." })
    }
}).catch(err => {
    res.status(500).send({
        message: err.message
    });
});

};

// Delete a user with the specified id in the request
exports.destroy = async (req, res) => {
    await UserModel.findByIdAndDelete(req.params.id).then(data => {
        if (!data) {
            res.status(404).send({
                message: `User not found.`
            });
        } else {
            res.send({
                message: "User deleted successfully!"
            });
        }
    });
};

```

```

    });
}
}).catch(err => {
  res.status(500).send({
    message: err.message
  });
});
};


```

## routesUser.js

```

const express = require('express')
const UserController = require('../controllers/user')
const router = express.Router();
router.get('/', UserController.findAll);
router.get('/:id', UserController.findOne);
router.post('/', UserController.create);
router.patch('/:id', UserController.update);
router.delete('/:id', UserController.destroy);
module.exports = router

```

