**Wingsl Tl Mini-project - Nodejs APls**

Open **Project** folder(you can find in desktop) in VS Code application

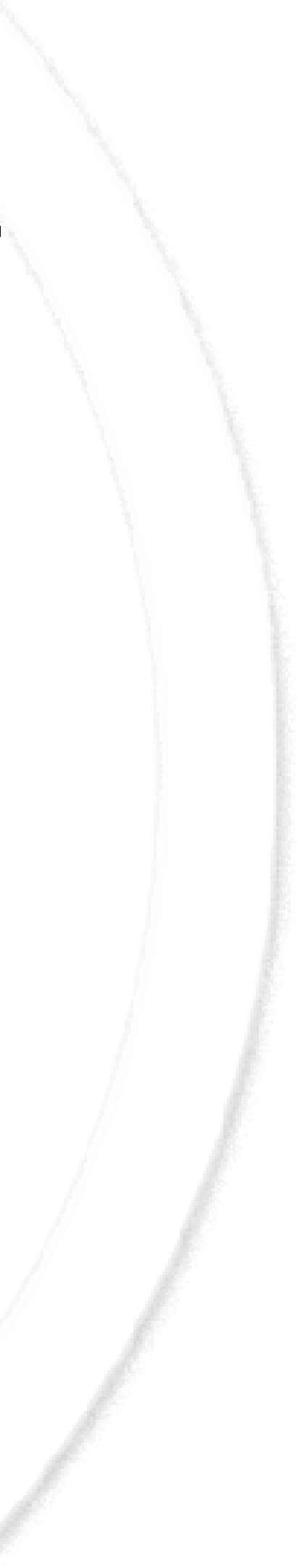
**Nodejs:**

Type below code in "/Desktop/Projects/wings.../Nodejs/src/routers/sellandBuy.js" file:

canst e = require("express");

canst express= require("express");

const SellBuy = require("../mongoose/models/sellBuy") const router= express.Router()



router.get("/", async (req, try {

res) => {

if (req.query.product) {

const data= await SellBuy.find({ productName: req.query.product })

res.status(200).json(data)

} else if (req.query.sortBy) { let list= req.query.sortBy

let ord = -1;

if (list.charAt(0) == "l") { ord = 1

}

if (list.includes("$")) {

const data= await SellBuy.find().sort({ soldPrice: ord }) res.status(200).json(data)

ord })

} else {

const data= await SellBuy.find().sort({ costPrice: res.status(200).json(data)

}

} else {

const data= await SellBuy.find() res.status(200).json(data)

}

} catch (err) { res.status(200).json(data)

}

})

router.post("/", async (req, res, next)=> { const data= new SellBuy(req.body)

try {

if (data.productName.length < 4) {

const err= new Error("product name should have minimum of four characters")

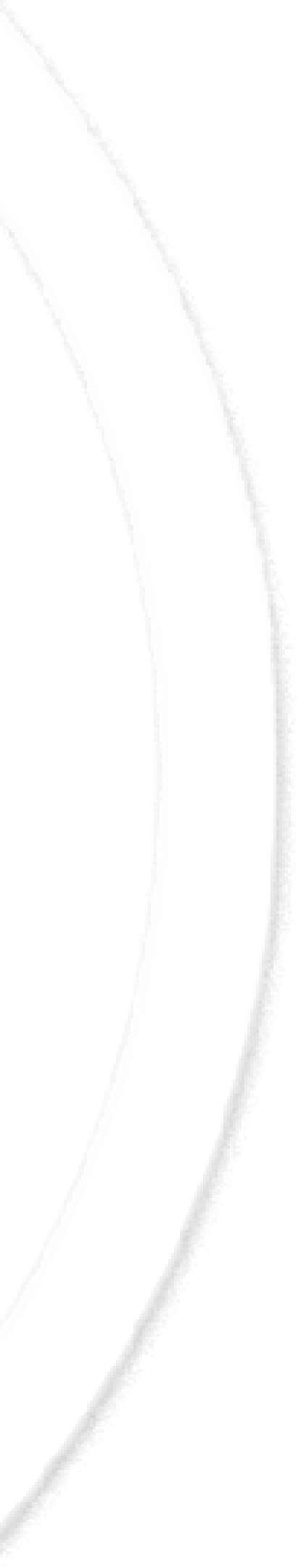
value")

err.status= 400 next(err)

} else if (data.costPrice <= 0) {

const err= new Error("cost price value cannot be zero or negative

err.status 400 next(err)



} else if (data.soldPrice <= 0) {

Error("sold price value cannot be zero

err.status= 400 next(err)

} else {

await data.save();

res.status(201).json({ message: "Product Added"})

}

} catch (err) { res.status(200).json(data)

}

})

router.patch("/:id", async (req, res, next)=> {

try {

const data= req.body.soldPrice; if (data<= 0) {

const err= new Error("sold price value cannot be zero or negative

value")

err.status= 400

} else {

res.status(200).json({ message: "Updated Successfully"})

}

} catch (err) { res.status(200).json(data)

next(err)

or negative

const err= new

value")

}

})

router.delete("/:id", async (req, res)=> { try {

let id= req.params.id

if (id=== undefined I I id '' 11 id null) {

res.status(400).json(data)

}

const data= await SellBuy.findByidAndDelete(id) res.status(200).json({ message: "Deleted successfully'' })

} catch (err) {

res.status(400).json({ error: err})

}

})

Type below code in "/Desktop/Projects/wings.../ Nodejs /src/app.js" file: canst express= require("express");



const sellAndBuyRouter = require("./routers/sellAndBuy'');

canst bodyParser = require("body-parser"); require("./mongoose/cannect\_db/mongoose");

const app = express(); app.use(express.json()); app.use(bodyParser.json()); app.use((req, res, next)=> {

res.header("Access-Control-Allow-Origin", "\*"); res.header("Access-Control-Allow-Headers", "\*"); if (req.method === "OPTIONS") {

res.header("Access-Control-Allow-Methods", "GET,DELETE,PATCH"); return res.status(200).json({});

});

}

next();

app.use('/sellProduct', sellAndBuyRouter);

app.use((error, req, res, next)=> {

res.status(error.status I I 500) res.json({ error: error.message})

})

module.exports= app;

Install project dependencies by using "sh install.sh" command in the terminal and to run the application by using "sh run.sh"

To test the application "sh test.sh"