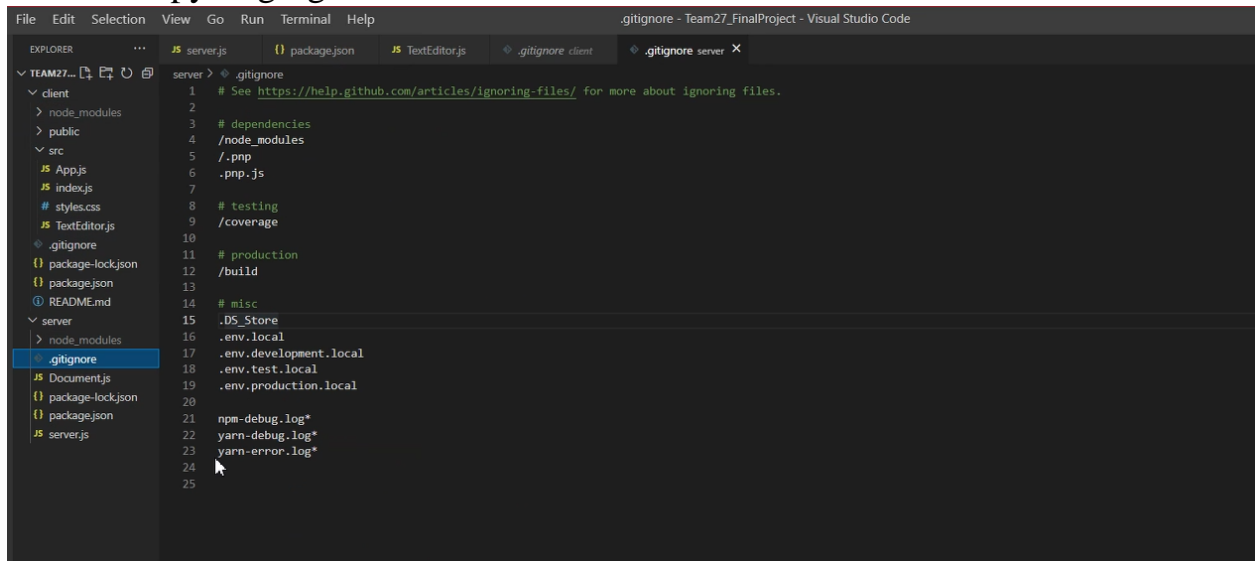


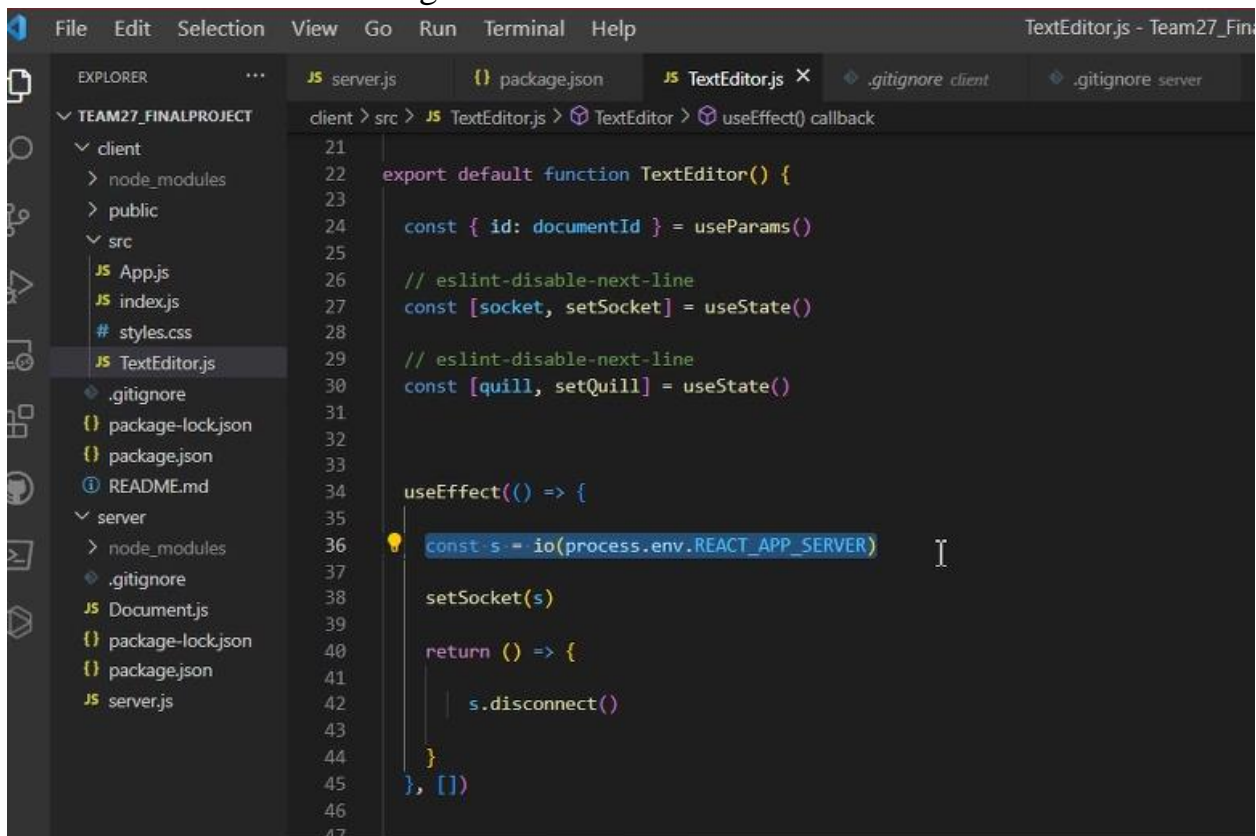
1) Make a Copy of gitignore of client into the server



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left. The 'server' directory is expanded, and the '.gitignore' file is selected. The main editor displays the contents of the '.gitignore' file, which includes rules for ignoring dependencies, build files, test coverage, production build files, and various log files.

```
1 # See https://help.github.com/articles/ignoring-files/ for more about ignoring files.
2
3 # dependencies
4 /node_modules
5 /.pnp
6 .pnp.js
7
8 # testing
9 /coverage
10
11 # production
12 /build
13
14 # misc
15 .DS_Store
16 .env.local
17 .env.development.local
18 .env.test.local
19 .env.production.local
20
21 npm-debug.log*
22 yarn-debug.log*
23 yarn-error.log*
24
25
```

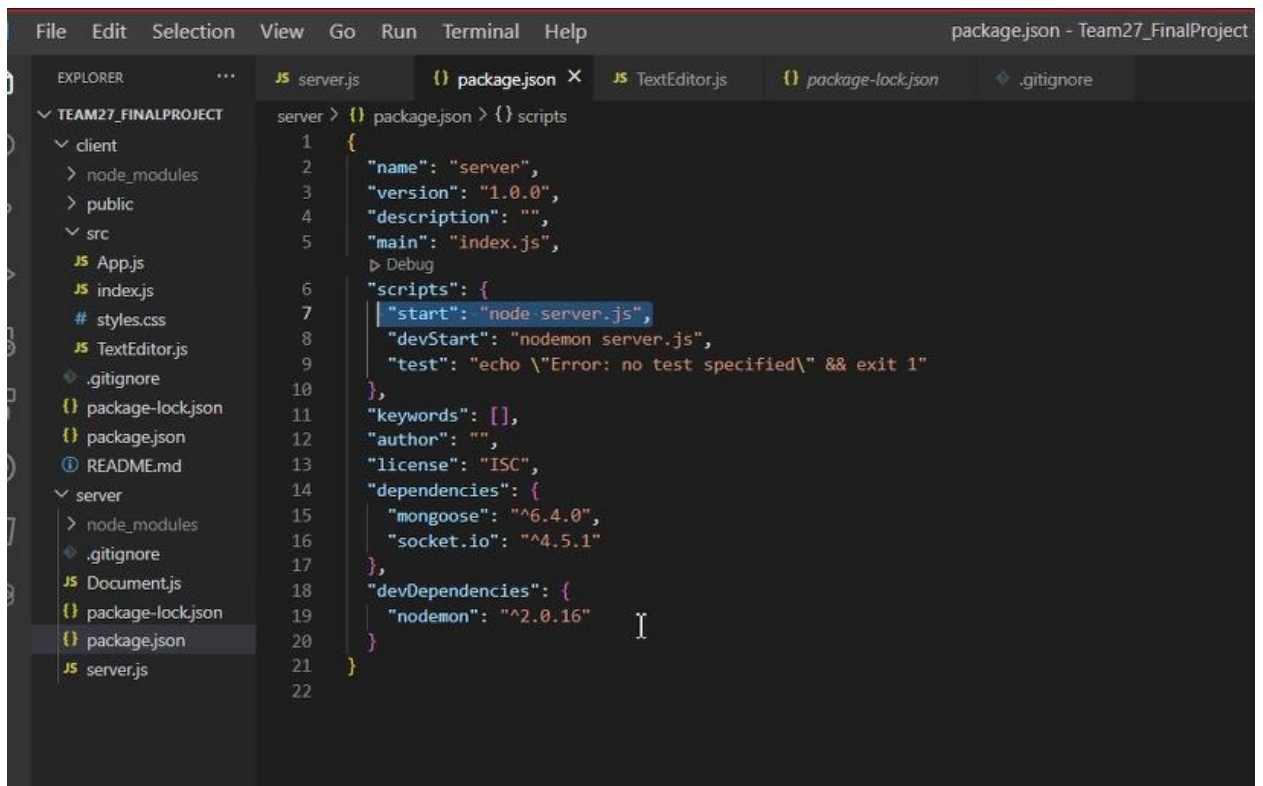
2) In TextEditor in client change this line



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left. The 'client' directory is expanded, and the 'src' directory is also expanded. The 'TextEditor.js' file is selected. The main editor displays the contents of the 'TextEditor.js' file, which is a React component. The line `const s = io(process.env.REACT_APP_SERVER)` is highlighted with a blue selection bar.

```
21
22 export default function TextEditor() {
23
24   const { id: documentId } = useParams()
25
26   // eslint-disable-next-line
27   const [socket, setSocket] = useState()
28
29   // eslint-disable-next-line
30   const [quill, setQuill] = useState()
31
32   useEffect(() => {
33
34     const s = io(process.env.REACT_APP_SERVER)
35
36     setSocket(s)
37
38     return () => {
39       s.disconnect()
40     }
41   }, [])
42
43
44
45
46
47
```

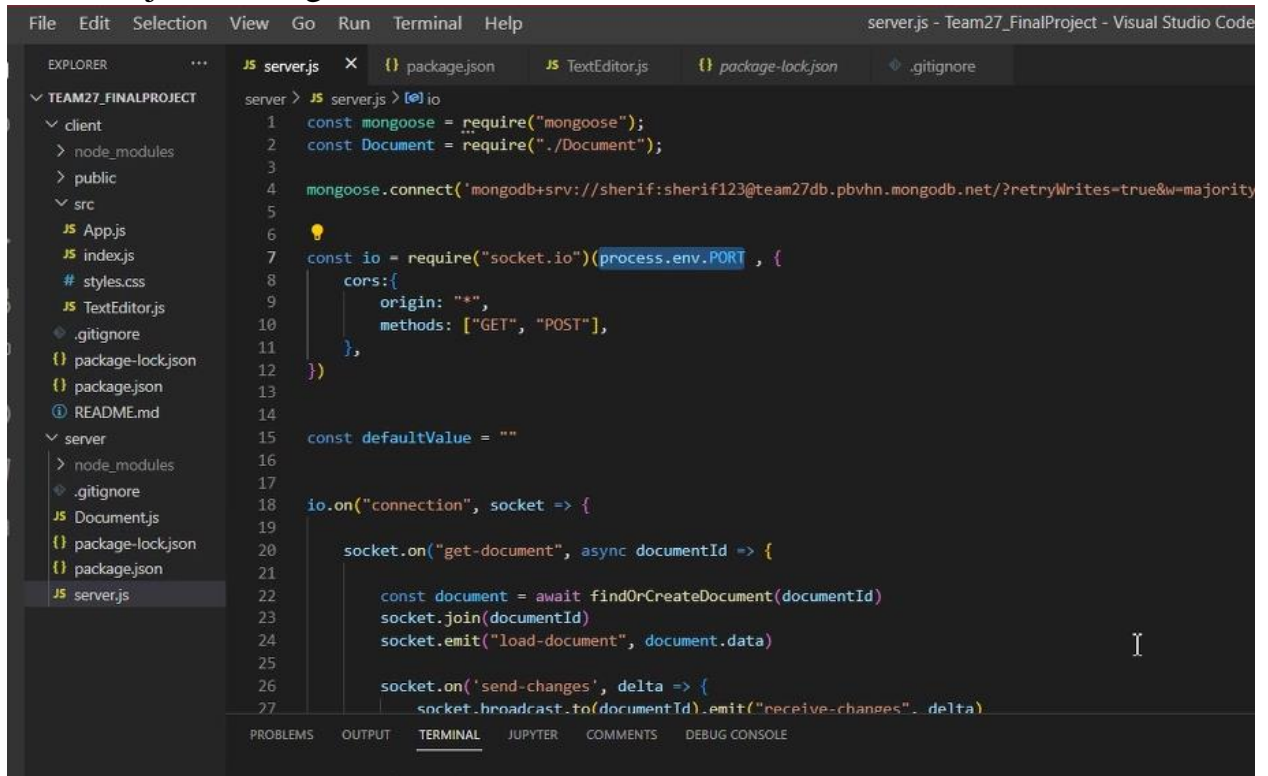
3) Add this line in package.json in the server



The screenshot shows the Visual Studio Code interface with the `package.json` file open in the editor. The Explorer sidebar on the left shows the project structure for `TEAM27_FINALPROJECT`, including `client` and `server` folders. The `server` folder contains `node_modules`, `.gitignore`, `Document.js`, `package-lock.json`, `package.json`, and `server.js`. The `package.json` file in the editor contains the following JSON:

```
{
  "name": "server",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "start": "node server.js",
    "devStart": "nodemon server.js",
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "mongoose": "^6.4.0",
    "socket.io": "^4.5.1"
  },
  "devDependencies": {
    "nodemon": "^2.0.16"
  }
}
```

4) In `server.js` we changed this line



The screenshot shows the Visual Studio Code interface with the `server.js` file open in the editor. The Explorer sidebar on the left shows the project structure for `TEAM27_FINALPROJECT`, including `client` and `server` folders. The `server` folder contains `node_modules`, `.gitignore`, `Document.js`, `package-lock.json`, `package.json`, and `server.js`. The `server.js` file in the editor contains the following JavaScript code:

```
const mongoose = require("mongoose");
const Document = require("./Document");

mongoose.connect('mongodb+srv://sherif:sherif123@team27db.pbvhn.mongodb.net/?retryWrites=true&w=majority');

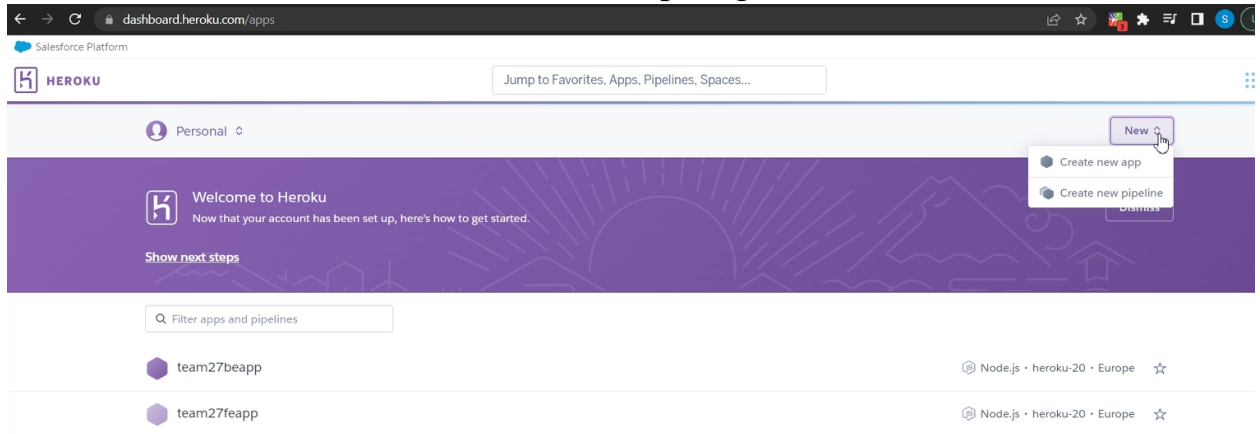
const io = require("socket.io")(process.env.PORT, {
  cors: {
    origin: "*",
    methods: ["GET", "POST"],
  },
});

const defaultValue = ""

io.on("connection", socket => {
  socket.on("get-document", async documentId => {
    const document = await findOrCreateDocument(documentId)
    socket.join(documentId)
    socket.emit("load-document", document.data)

    socket.on('send-changes', delta => {
      socket.broadcast.to(documentId).emit("receive-changes", delta)
    })
  })
})
```

- 5) Open Heroku dashboard and make two new apps one for the front end and one for the backend and make them in Europe region



- 6) First go to the backend app, go to deploy then follow these steps after you do cd server in the terminal but except for the command that is highlighted

Install the Heroku CLI

Download and install the [Heroku CLI](#).

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Clone the repository


Use Git to clone team27beapp's source code to your local machine.

```
$ heroku git:clone -a team27beapp
$ cd team27beapp
```

Deploy your changes

Make some changes to the code you just cloned and deploy them to Heroku using Git.

```
$ git add .
$ git commit -am "make it better"
$ git push heroku master
```

 You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

- 7) Second go to frontend app, go to deploy, then follow these steps after you do cd client in the terminal but except for the command that is highlighted

Install the Heroku CLI

Download and install the [Heroku CLI](#).

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Clone the repository

Use Git to clone team27feapp's source code to your local machine.

```
$ heroku git:clone -a team27feapp  
$ cd team27feapp
```

Deploy your changes

Make some changes to the code you just cloned and deploy them to Heroku using Git.

```
$ git add .  
$ git commit -am "make it better"  
$ git push heroku master
```



You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

- 8) Go to settings in the frontend app, click on config vars and add this and the highlighted link is the last link appeared in the server terminal(note REAC_APP_SERVER was used up in the TextEditor.js)

Personal > team27feapp

Overview Resources Deploy Metrics Activity Access Settings

App Information

App Name: team27feapp

Region: Europe

Stack: heroku-20 Upgrade Stack

Framework: Node.js

Slug size: 77.6 MiB of 500 MiB

Heroku git URL: https://git.heroku.com/team27feapp.git

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

Config Vars

REACT_APP_SERVER: https://team27feapp.herokuapp.com/

KEY: VALUE: Add

Hide Config Vars

- 9) Then click on open app from above in the frontend app and now you have deployed



App Information

App Name

team27feapp

Region

Europe

Stack

heroku-20

Upgrade Stack

Framework

Node.js

Slug size

77.6 MiB of 500 MiB

Heroku git URL

<https://git.heroku.com/team27feapp.git>

Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

Config Vars

Hide Config Vars

REACT_APP_SERVER

<https://team27beapp.herokuapp.com/>



KEY

VALUE

Add