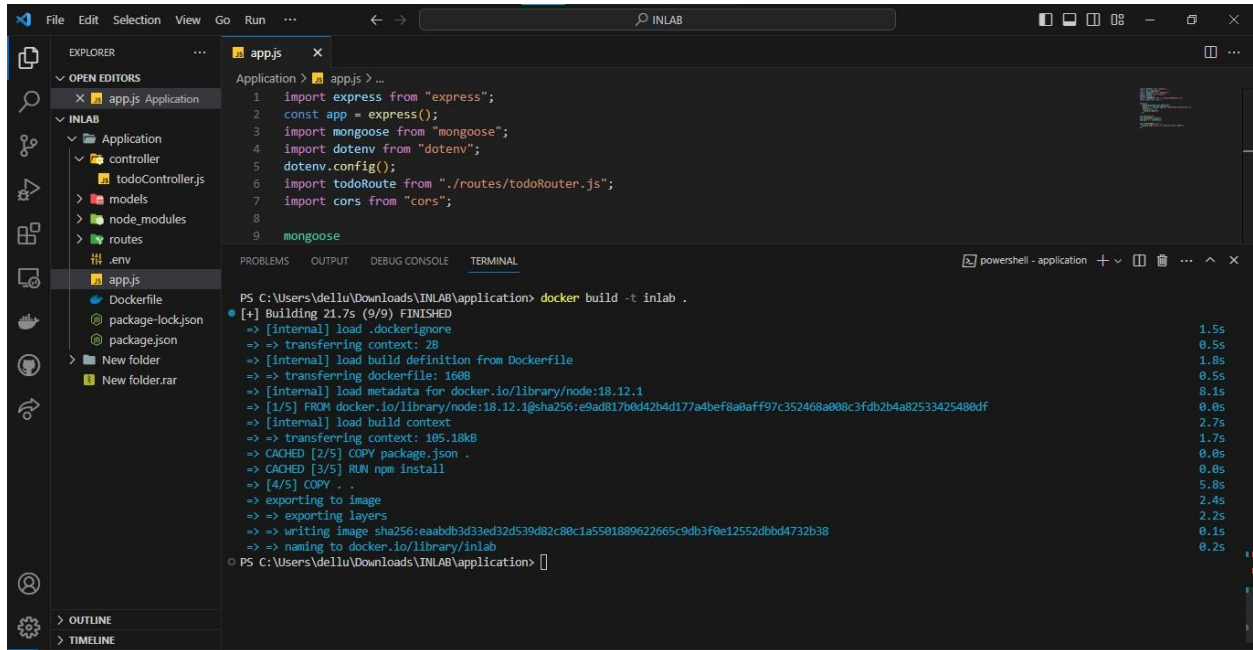


INLAB Activity

Build Docker Image



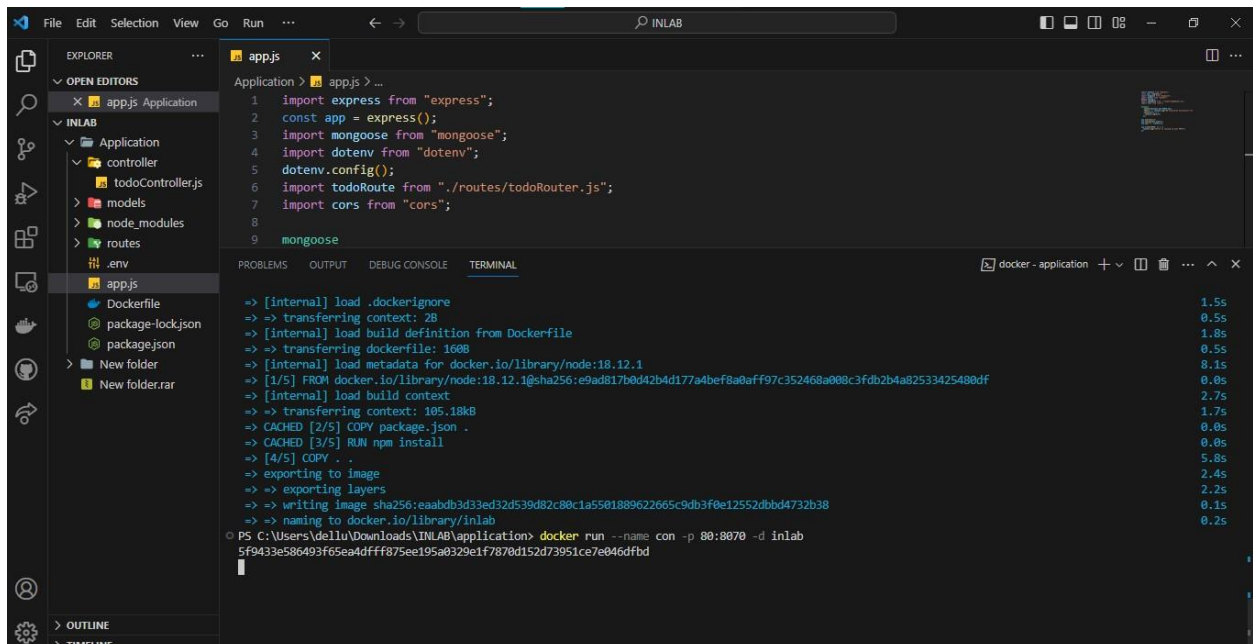
The screenshot shows the Visual Studio Code interface with the Explorer view on the left, the Editor view in the center, and the Terminal view at the bottom. The Explorer view shows the project structure with files like `app.js`, `Dockerfile`, `package-lock.json`, and `package.json`. The Editor view shows the `app.js` file with the following code:

```
1 import express from "express";
2 const app = express();
3 import mongoose from "mongoose";
4 import dotenv from "dotenv";
5 dotenv.config();
6 import todoRoute from "../routes/todoRouter.js";
7 import cors from "cors";
8
9 mongoose
```

The Terminal view shows the output of the `docker build -t inlab .` command. The output indicates that the build was successful and the image was pushed to Docker Hub.

```
PS C:\Users\dellu\Downloads\INLAB\application> docker build -t inlab .
[+] Building 21.7s (9/9) FINISHED
=> [internal] load .dockerignore
=> transferring context: 2B 1.5s
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 160B 0.5s
=> [internal] load metadata for docker.io/library/node:18.12.1 1.8s
=> [1/5] FROM docker.io/library/node:18.12.1@sha256:e9ad817b0d42b4d177a4bef8a0aff97c352468a008c3fdb2b4a82533425480df 0.5s
=> [internal] load build context
=> transferring context: 105.18kB 2.7s
=> CACHED [2/5] COPY package.json . 1.7s
=> CACHED [3/5] RUN npm install 0.0s
=> [4/5] COPY . . 5.8s
=> exporting to image 2.4s
=> exporting layers 2.2s
=> writing image sha256:eaabdb3d33ed32d539d82c80c1a5501889622665c9db3f0e12552dbbd4732b38 0.1s
=> naming to docker.io/library/inlab 0.2s
PS C:\Users\dellu\Downloads\INLAB\application>
```

Run Docker Container



The screenshot shows the Visual Studio Code interface with the Explorer view on the left, the Editor view in the center, and the Terminal view at the bottom. The Explorer view shows the project structure with files like `app.js`, `Dockerfile`, `package-lock.json`, and `package.json`. The Editor view shows the `app.js` file with the following code:

```
1 import express from "express";
2 const app = express();
3 import mongoose from "mongoose";
4 import dotenv from "dotenv";
5 dotenv.config();
6 import todoRoute from "../routes/todoRouter.js";
7 import cors from "cors";
8
9 mongoose
```

The Terminal view shows the output of the `docker run --name con -p 80:8070 -d inlab` command. The output indicates that the container was successfully created and is running.

```
PS C:\Users\dellu\Downloads\INLAB\application> docker run --name con -p 80:8070 -d inlab
5f9433e586493f65ea4dff875ee195a0329e1f7870d152d73951ce7e046dfbd

```

Check With Postman

The screenshot shows the Postman application interface. The top navigation bar includes 'Home', 'Workspaces', and 'Explore'. A search bar is present. The main workspace is titled 'Working locally in Scratch Pad. Switch to a Workspace'. On the left, the 'Scratch Pad' sidebar shows a 'You don't have any collections' message. The main area displays a GET request to 'http://localhost:80/'. The request body is a JSON object:

```
{  "taskName": "Get one",  "status": "Pending"}
```

. The response is shown in the 'Body' tab, displaying a JSON object:

```
{  "_id": "6471972528eaae404ba45e15",  "taskName": "Get one",  "status": "Pending",  "createdAt": "2023-05-27T05:37:41.131Z",  "updatedAt": "2023-05-27T05:37:41.131Z",  "__v": 0}
```

. The status bar at the bottom indicates 'Status: 200 OK', 'Time: 1647 ms', and 'Size: 602 B'.

The screenshot shows the Postman application interface. The top navigation bar includes 'Home', 'Workspaces', and 'Explore'. A search bar is present. The main workspace is titled 'Working locally in Scratch Pad. Switch to a Workspace'. On the left, the 'Scratch Pad' sidebar shows a 'You don't have any collections' message. The main area displays a POST request to 'http://localhost:80/add'. The request body is a JSON object:

```
{  "taskName": "Get one",  "status": "Pending"}
```

. The response is shown in the 'Body' tab, displaying a JSON object:

```
{  "taskName": "Get one",  "status": "Pending",  "_id": "64719d48b823da408feaa475",  "createdAt": "2023-05-27T06:03:52.366Z",  "updatedAt": "2023-05-27T06:03:52.366Z",  "__v": 0}
```

. The status bar at the bottom indicates 'Status: 201 Created', 'Time: 2.45 s', and 'Size: 433 B'.

