Lappeenrannan teknillinen yliopisto

School of Energy Systems

Software Development Skills: Full-Stack, Online course

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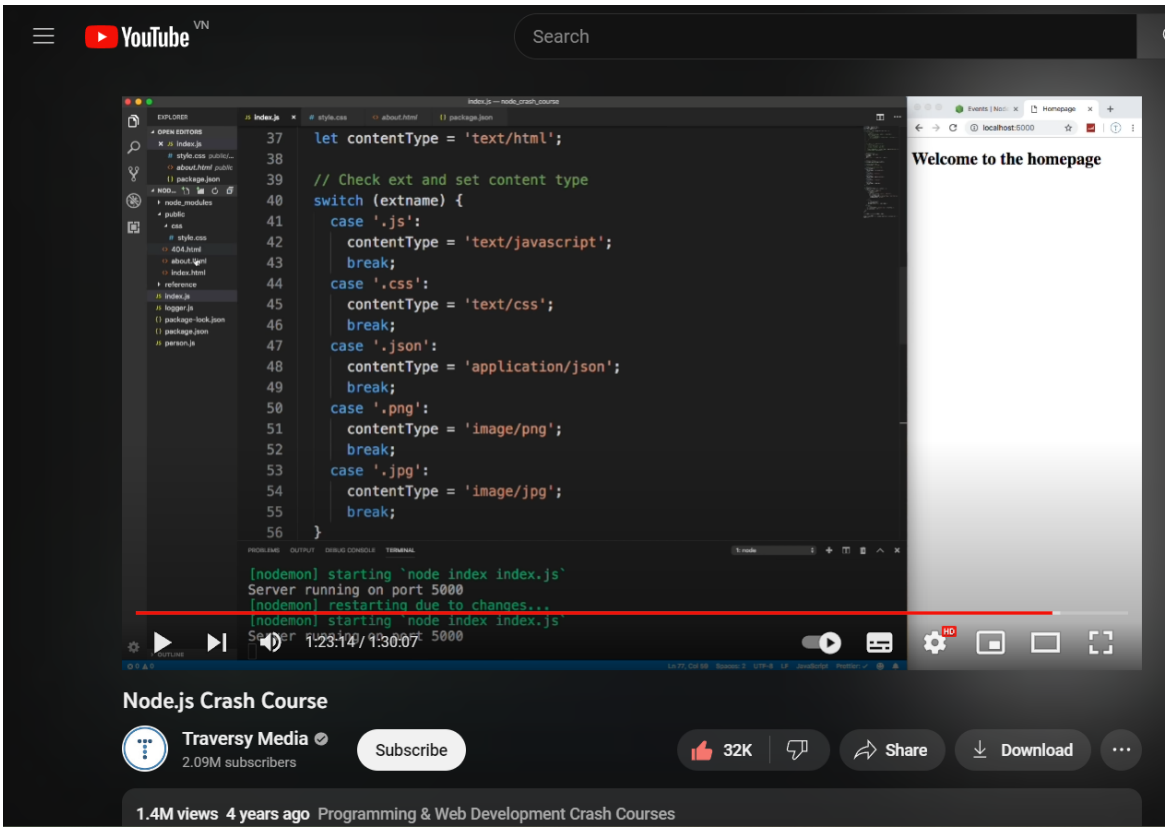
LEARNING DIARY, < Software Development Skills: Full-Stack > MODULE

Date : May 6th 2023

Activity :

Video 1: " Node.js Crash Course"

Learning outcome: In this video, I learned about the fundamentals of Node.js, including core modules such as path, url, fs, and events. I learned about how to use these modules to perform common tasks such as reading and writing files, parsing URLs, and working with events. I learned about how to create and handle HTTP requests and responses, and how to deploy the server to Heroku.



Date : May 13th 2023

Activity :

Video: " MongoDB Crash Course"

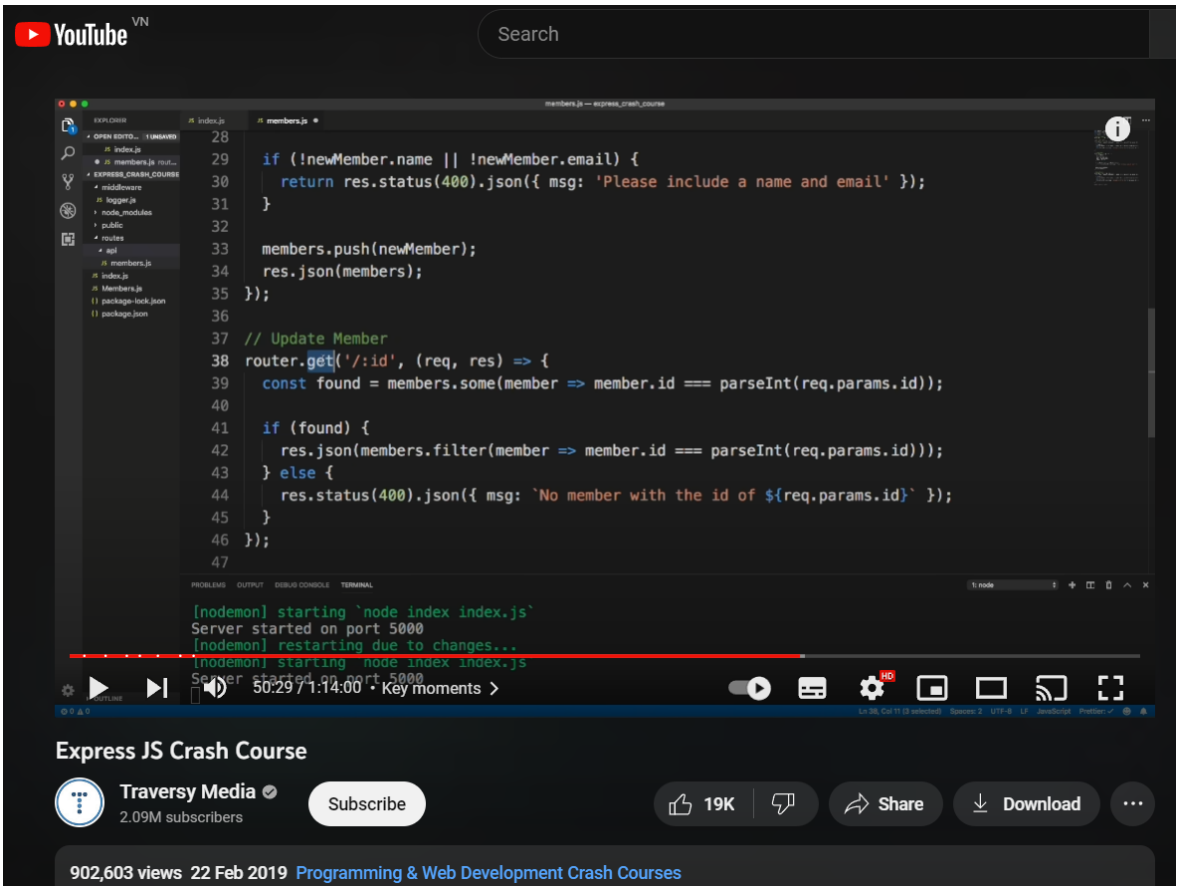
Learning outcome: In this video, I learned about MongoDB, a NoSQL database that is frequently used with Node.js. I learned about the basics of MongoDB, including how to install it, create a database

Date : May 20th 2023

Activity :

Video: “Express JS Crash Course”

Learning outcome: I learned about server syntax, basic route handling and express middleware. Though I did not really get all the ideas, I still managed to understand the Express Router, Delete and Update features.

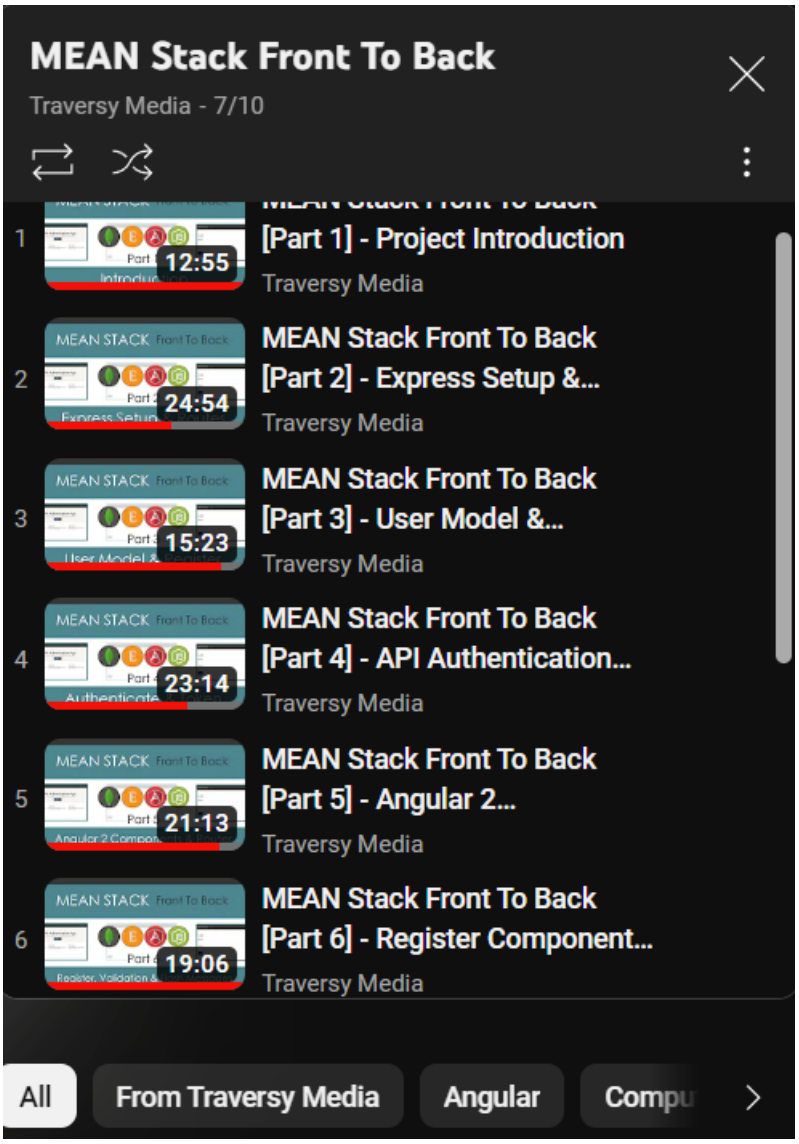


Date : May 27th 2023

Activity :

Video: MEAN Stack

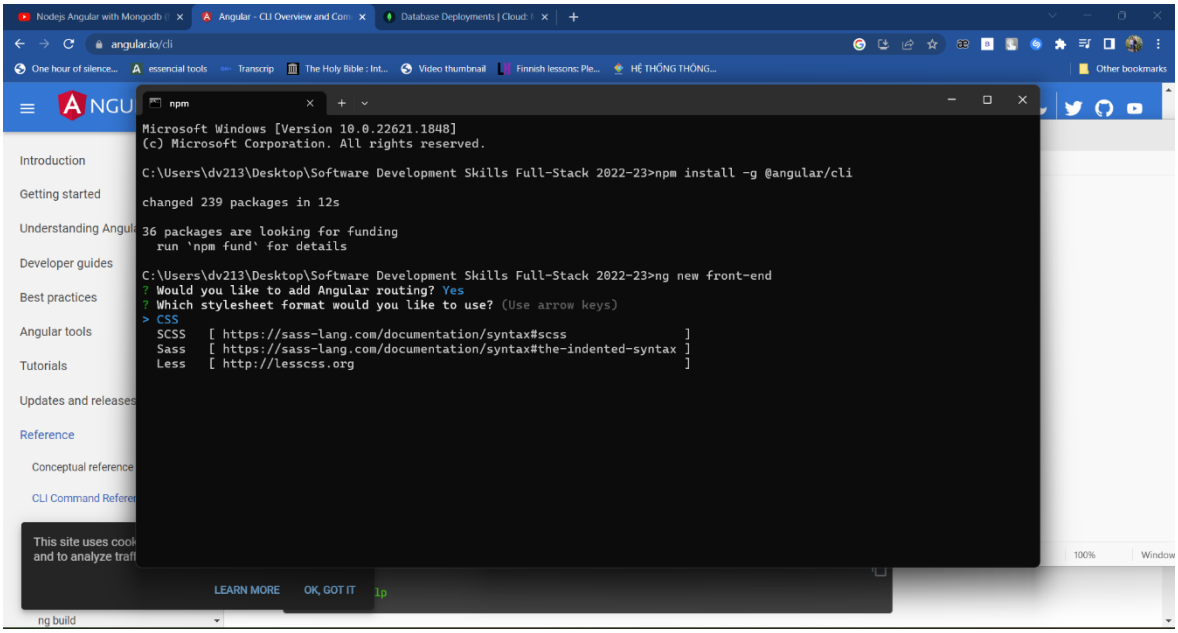
Even though I managed to watch all the videos, I couldn't use the code as it was supposed to work. I spent 3 days debugging just to catch up with what the video tells me to.

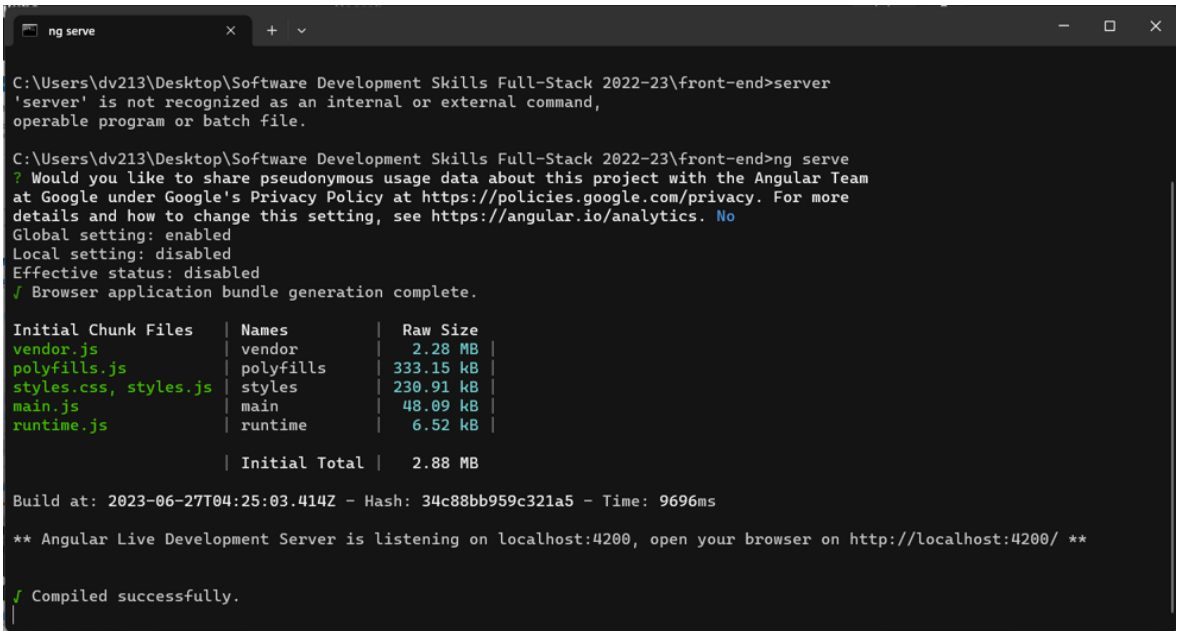


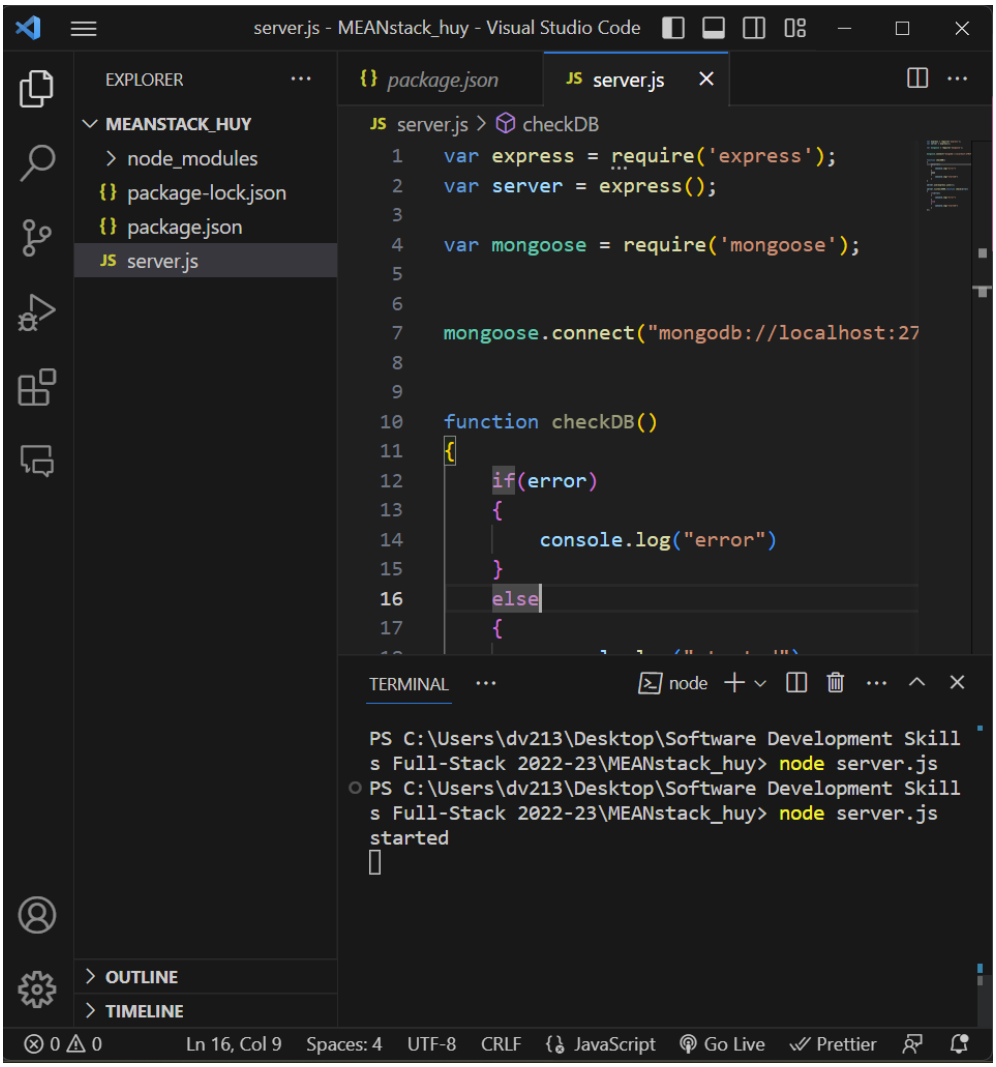
Date : May 28th 2023

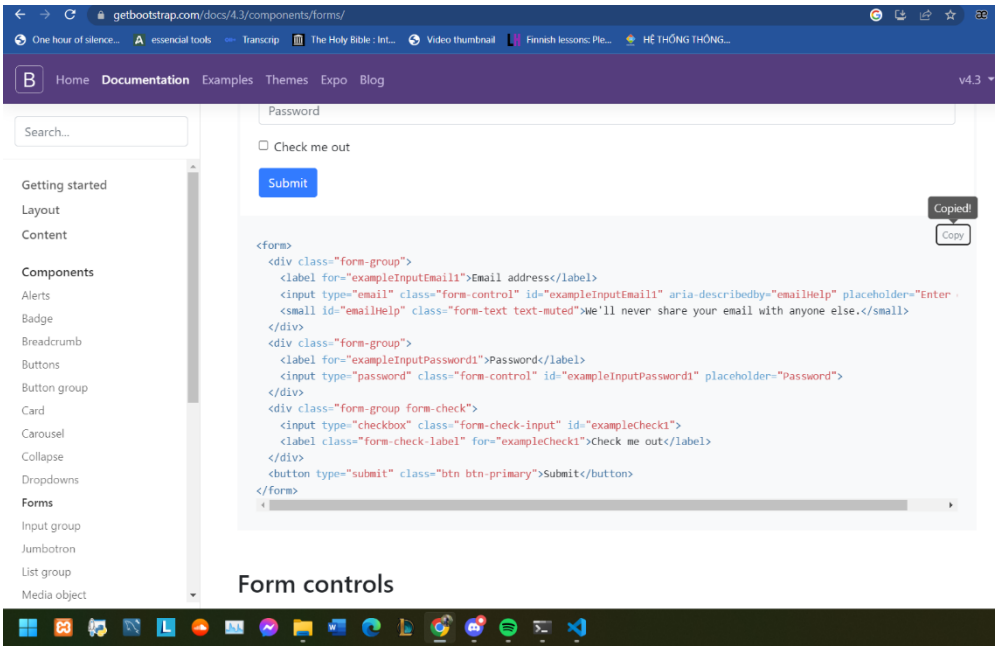
Activity :

Start my Mean stack project (Application Form). I followed the structures provided in the videos and started to look for answers on Stack Over Flow. The coding was smooth as it was a common problem that we have lots of people answering it. But I encountered some bugs that was not on any QnA platform, I then had to test new method in my routes.js file. It took me 5 days to deal with the routes bug since I was not able to Add, Edit, Delete my data on MongoDB (only Postman works). It took me 16 days to complete the project from 0.


Nodejs Angular with Mongodb
Angular - CLI Overview and Com
Database Deployments | Cloud
angular.io/cli
One hour of silence...
essencial tools
Transcrip
The Holy Bible : Int...
Video thumbnail
Finnish lessons: Ple...
HỆ THỐNG THÔNG...
Other bookmarks
npm
Microsoft Windows [Version 10.0.22621.1848]
(c) Microsoft Corporation. All rights reserved.
C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23>npm install -g @angular/cli
changed 239 packages in 12s
36 packages are looking for funding
run `npm fund` for details
C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23>ng new front-end
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? (Use arrow keys)
> CSS
SCSS [https://sass-lang.com/documentation/syntax#scss]
Sass [https://sass-lang.com/documentation/syntax#the-indented-syntax]
Less [http://lesscss.org]
Introduction
Getting started
Developer guides
Best practices
Angular tools
Tutorials
Updates and releases
Reference
Conceptual reference
LEARN MORE
OK, GOT IT
ng build


ng serve
C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23\front-end>server
'server' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23\front-end>ng serve
? Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. No
Global setting: enabled
Local setting: disabled
Effective status: disabled
✓ Browser application bundle generation complete.
Initial Chunk Files | Names | Raw Size
vendor.js | vendor | 2.28 MB |
polyfills.js | polyfills | 333.15 kB |
styles.css, styles.js | styles | 230.91 kB |
main.js | main | 48.09 kB |
runtime.js | runtime | 6.52 kB |
| Initial Total | 2.88 MB
Build at: 2023-06-27T04:25:03.414Z - Hash: 34c88bb959c321a5 - Time: 9696ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
✓ Compiled successfully.


server.js - MEANstack_huy - Visual Studio Code
EXPLORER
MEANSTACK_HUY
node_modules
package-lock.json
package.json
server.js
package.json
server.js
server.js > checkDB
1 var express = require('express');
2 var server = express();
3
4 var mongoose = require('mongoose');
5
6
7 mongoose.connect("mongodb://localhost:27
8
9
10 function checkDB()
11 {
12 if(error)
13 {
14 console.log("error")
15 }
16 else
17 {
TERMINAL
node
PS C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23\MEANstack_huy> node server.js
PS C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23\MEANstack_huy> node server.js
started
OUTLINE
TIMELINE
Ln 16, Col 9
Spaces: 4
UTF-8
CRLF
JavaScript
Go Live
Prettier

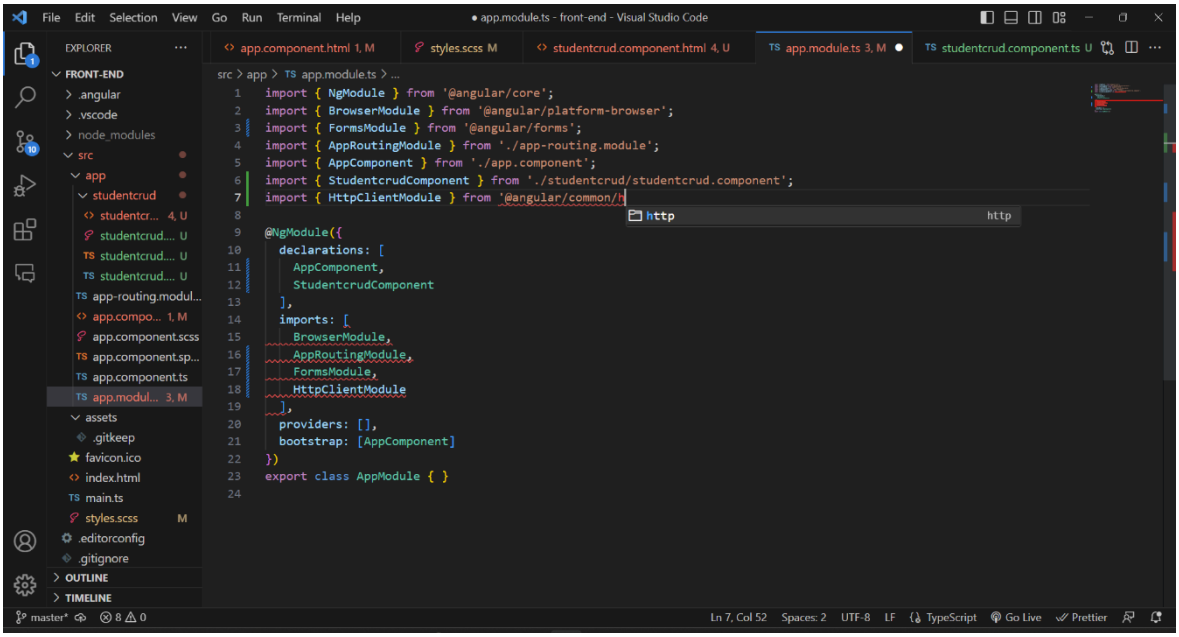

getbootstrap.com/docs/4.3/components/forms/
Home
Documentation
Examples
Themes
Expo
Blog
v4.3
Search...
Getting started
Layout
Content
Components
Alerts
Badge
Breadcrumb
Buttons
Button group
Card
Carousel
Collapse
Dropdowns
Forms
Input group
Jumbotron
List group
Media object
Password
Check me out
Submit
Copied!
Copy
<form>

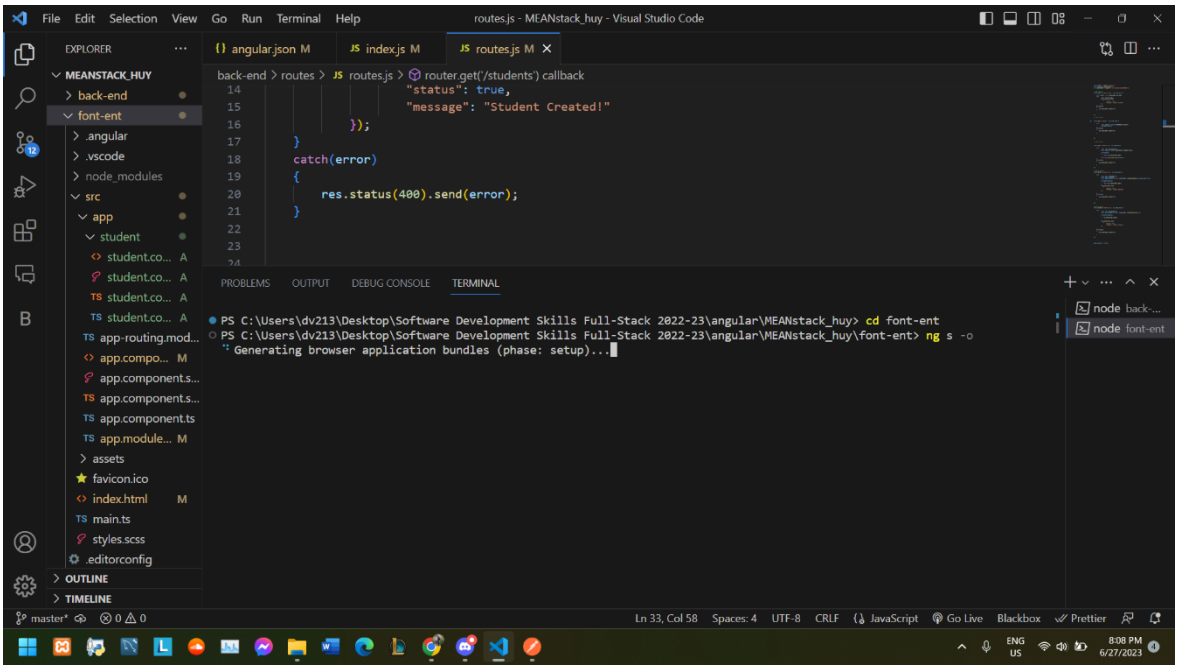
<label for="exampleInputEmail1">Email address</label>
<input type="email" class="form-control" id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter
<small id="emailHelp" class="form-text text-muted">We'll never share your email with anyone else.</small>

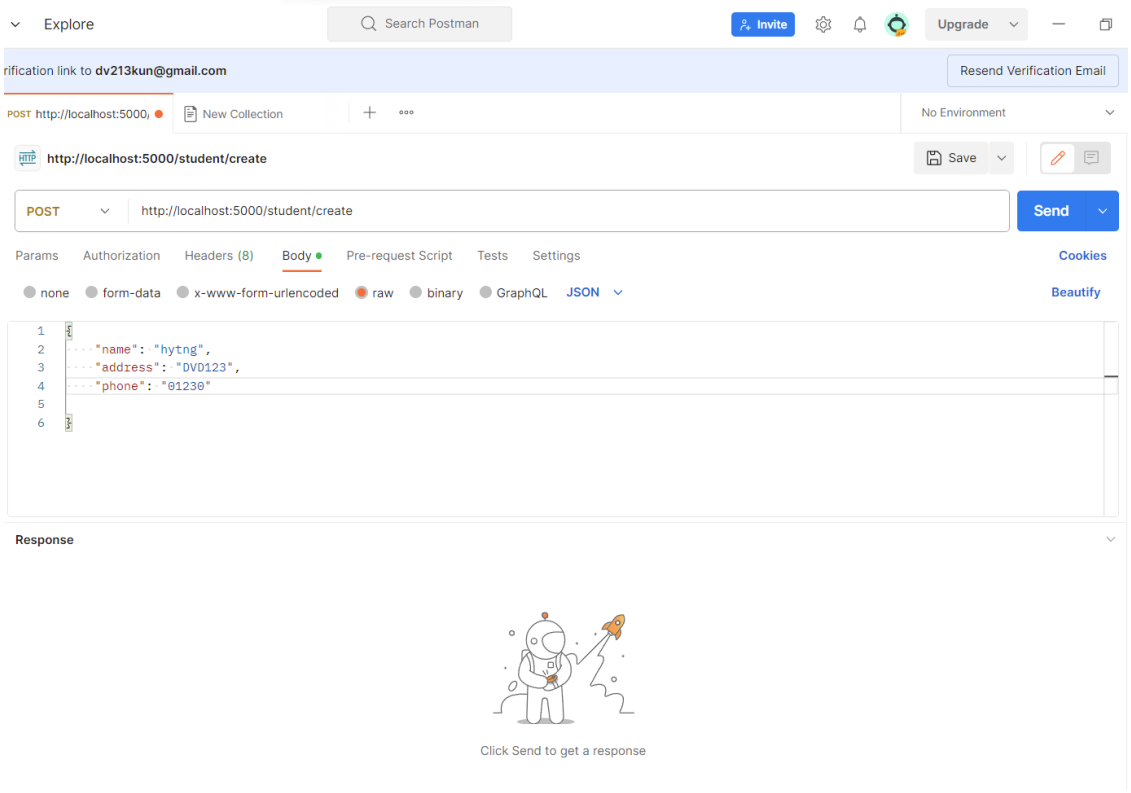
<label for="exampleInputPassword1">Password</label>
<input type="password" class="form-control" id="exampleInputPassword1" placeholder="Password">

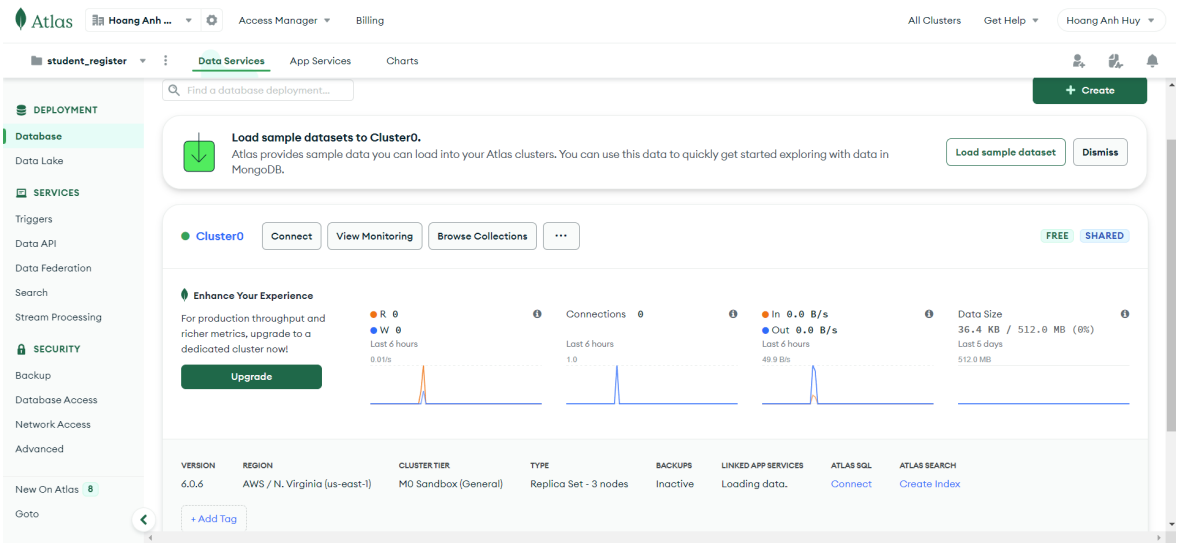
<input type="checkbox" class="form-check-input" id="exampleCheck1">
<label class="form-check-label" for="exampleCheck1">Check me out</label>

<button type="submit" class="btn btn-primary">Submit</button>
</form>
Form controls


File Edit Selection View Go Run Terminal Help
• app.module.ts - front-end - Visual Studio Code
EXPLORER
FRONT-END
app.component.html 1, M
styles.scss M
studentcrud.component.html 4, U
app.module.ts 3, M
studentcrud.component.ts U
src > app > app.module.ts > ...
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { FormsModule } from '@angular/forms';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { StudentcrudComponent } from './studentcrud/studentcrud.component';
import { HttpClientModule } from '@angular/common/h
http
@NgModule({
declarations: [
AppComponent,
StudentcrudComponent
],
imports: [
BrowserModule,
AppRoutingModule,
FormsModule,
HttpClientModule
],
providers: [],
bootstrap: [AppComponent]
})
export class AppModule { }
OUTLINE
TIMELINE
master*
Ln 7, Col 52
Spaces: 2
UTF-8
LF
TypeScript
Go Live
Prettier


File Edit Selection View Go Run Terminal Help
routes.js - MEANstack_huy - Visual Studio Code
EXPLORER
MEANSTACK_HUY
angular.json M
index.js M
routes.js M
back-end > routes > routes.js > router.get('/students') callback
"status": true,
"message": "Student Created!"
});
}
catch(error)
{
res.status(400).send(error);
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PS C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23\angular\MEANstack_huy> cd font-ent
PS C:\Users\dv213\Desktop\Software Development Skills Full-Stack 2022-23\angular\MEANstack_huy\font-ent> ng s -o
Generating browser application bundles (phase: setup)...
node back-...
node font-ent
OUTLINE
TIMELINE
master*
Ln 33, Col 58
Spaces: 4
UTF-8
CRLF
JavaScript
Go Live
Blackbox
Prettier
ENG
US
8:08 PM
6/27/2023


Explore
Search Postman
Invite
Upgrade
rification link to dv213kun@gmail.com
Resend Verification Email
POST http://localhost:5000/
New Collection
No Environment
http://localhost:5000/student/create
Save
POST
http://localhost:5000/student/create
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
1 {
2 "name": "hytng",
3 "address": "DVD123",
4 "phone": "01230"
5
6 }
Response
Click Send to get a response


Atlas
Hoang Anh ...
Access Manager
Billing
All Clusters
Get Help
Hoang Anh Huy
student_register
Data Services
App Services
Charts
Find a database deployment...
Create
DEPLOYMENT
Database
Data Lake
SERVICES
Triggers
Data API
Data Federation
Search
Stream Processing
SECURITY
Backup
Database Access
Network Access
Advanced
New On Atlas 8
Goto
Load sample datasets to Cluster0.
Atlas provides sample data you can load into your Atlas clusters. You can use this data to quickly get started exploring with data in MongoDB.
Load sample dataset
Dismiss
Cluster0
Connect
View Monitoring
Browse Collections
FREE
SHARED
Enhance Your Experience
For production throughput and richer metrics, upgrade to a dedicated cluster now!
Upgrade
R 0
W 0
Last 6 hours
Connections 0
Last 6 hours
In 0.0 B/s
Out 0.0 B/s
Last 6 hours
Data Size
36.4 KB / 512.0 MB (0%)
Last 5 days
VERSION
6.0.6
REGION
AWS / N. Virginia (us-east-1)
CLUSTER TIER
M0 Sandbox (General)
TYPE
Replica Set - 3 nodes
BACKUPS
Inactive
LINKED APP SERVICES
Loading data.
ATLAS SQL
Connect
ATLAS SEARCH
Create Index
+ Add Tag