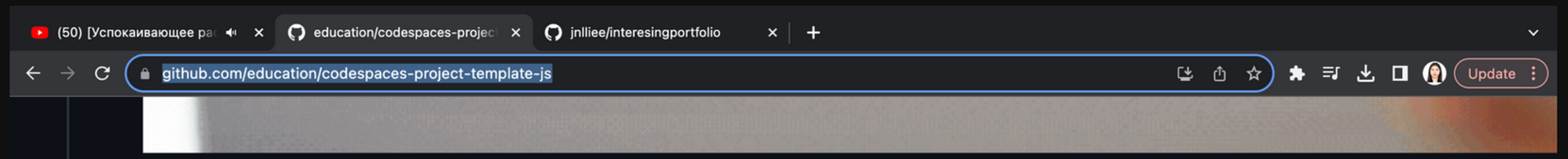
실습 가이드



Quick Start

1. Click the **Use this Template** button and then **Create a new repository**
2. Select the repository owner (e.g. your GitHub account)
3. Enter a unique name for your new repository
4. Click the **Code** button
5. Click **Create Codespace on main** button
6. Customize your portfolio site with Copilot
7. Deploy your site

▶ 🎥 **To learn more about Codespaces, watch our video tutorial series**

CONTENT

- Start of the session 18:30 15 min
- MLSA introduction 18:45 15 min
- Cloud computing terminology 19:00 10 min
- Setting up Azure Subscription[for some people who want] 19:10 10 min
- Creating Portfolio Tutorial 19:10~ 20 min
- Practice 19:30 ~ until the end[maybe 20:00]

1. USE THIS TEMPLATE
2. CREATE A NEW REPO- SELECT A NAME
3. CODE
4. CREATE CODESPACES ON MAIN

(50) [Успокаивающее ра | education/codespaces-projec | New repository

github.com/new?template_name=codespaces-project-template-js&template_owner=education

New repository

Type / to search

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Required fields are marked with an asterisk (*).

Repository template

education/codespaces-project-template-js

Start your repository with a template repository's contents.

Include all branches

Copy all branches from education/codespaces-project-template-js and not just the default branch.

Owner *

jnlliee

Repository name *

interesingportfolio

interesingportfolio is available.

Great repository names are short and memorable. Need inspiration? How about laughing-disco ?

Description (optional)

Public

Anyone on the internet can see this repository. You choose who can commit.

Private

You choose who can see and commit to this repository.

You are creating a public repository in your personal account.

Create repository

(50) [Успокаивающее ра
education/codespaces-projec
jnlliee/interesingportfolio
studious-waffle-p5v945x74rg

studious-waffle-p5v945x74rgf6p4x.github.dev

Install

Update

Setting up your codespace

Connecting...

Tip See your application running with port forwarding. Learn more

(50) ♪ Study Night [Sooth | education/codespaces-projec | jnlliee/interesingportfolio | Simple Browser — interesingp

studious-waffle-p5v945x74rgf6p4x.github.dev

Update

interesingportfolio [Codespaces: studious waffle]

EXPLORER

INTERESINGPORTFOLIO [CODESPACES: STUDI...

- __images__
- .devcontainer
- .github
- .parcel-cache
- dist
- node_modules
- src
- translations
- .eslintrc
- .gitignore
- .prettierrc
- CODE_OF_CONDUCT.md
- LICENSE
- package-lock.json
- package.json
- README.md
- SECURITY.md
- slides.pptx
- SUPPORT.md

OUTLINE

TIMELINE

[Preview] README.md | Simple Browser

https://studious-waffle-p5v945x74rgf6p4x-1234.app.github.dev/

Home About Portfolio Contact

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 1 AZURE COMMENTS

```
npm start
@jnlliee → /workspaces/interesingportfolio (main) $ npm start

> educator-js-codespace-template@1.0.0 start
> parcel

Server running at http://localhost:1234
✨ Built in 1.01s
```

No access to GitHub Copilot found. You are currently logged in as jnlliee.

Source: GitHub Copilot Chat (... | Signup for GitHub Copilot | Dismiss

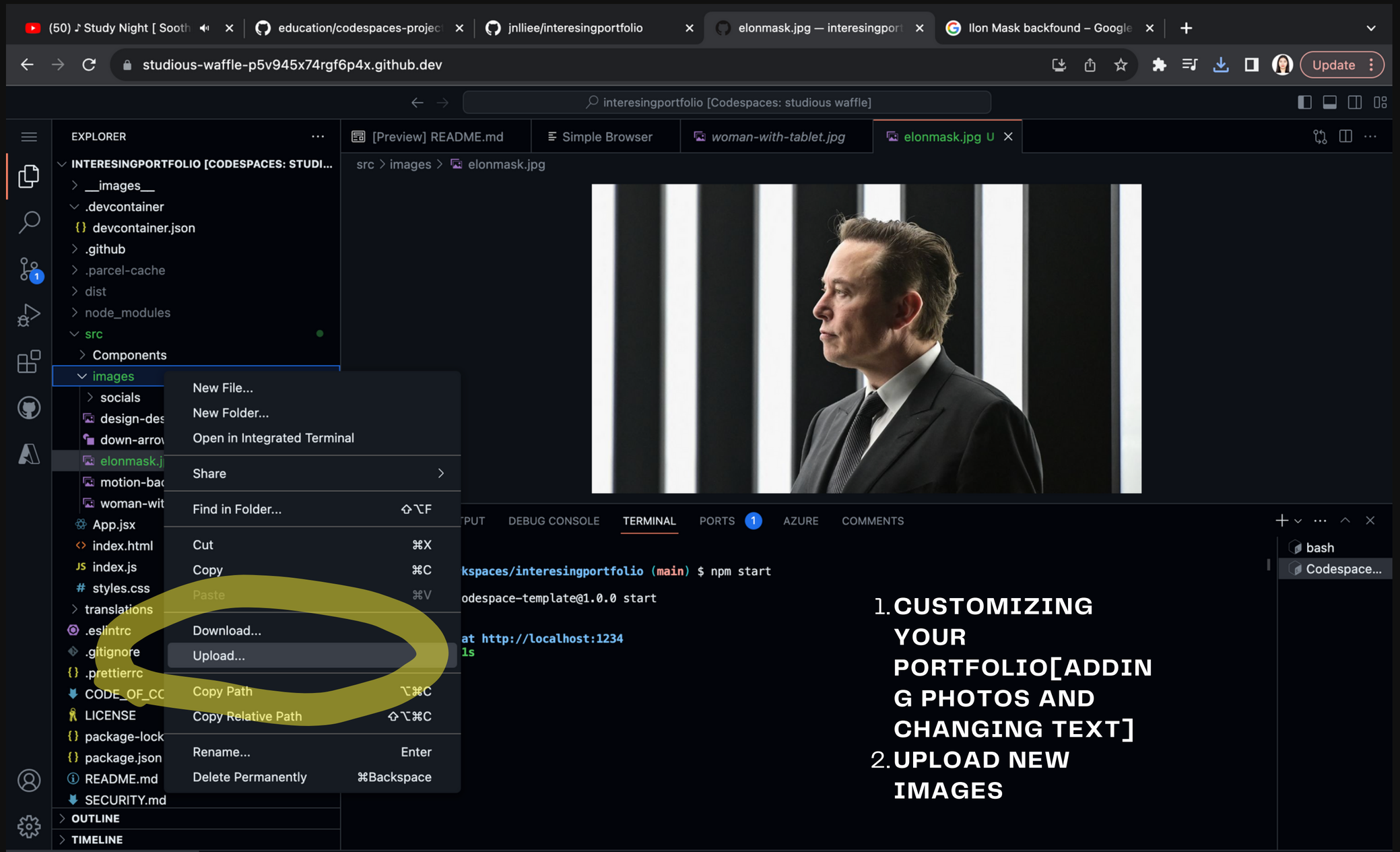
Extension activation failed: "No access to GitHub Copilot found. You are currently logged in as jnlliee."

Source: GitHub Copilot (Extension) | Show Output Log | Retry

No access to GitHub Copilot found. You are currently logged in as jnlliee.

Source: GitHub Copilot (Exten... | Signup for GitHub Copilot | Dismiss

Codespaces: studious waffle | main | 0 0 | 1 | Layout: U.S.


(50) ♪ Study Night [Sooth
education/codespaces-projec
jnlliee/interesingportfolio
elonmask.jpg — interesingport
Ilon Mask backfound – Google
studious-waffle-p5v945x74rgf6p4x.github.dev
Update
interesingportfolio [Codespaces: studious waffle]
EXPLORER
INTERESINGPORTFOLIO [CODESPACES: STUDI...
__images__
.devcontainer
devcontainer.json
.github
.parcel-cache
dist
node_modules
src
Components
images
socials
design-des
down-arrow
elonmask.j
motion-bac
woman-wit
App.jsx
index.html
index.js
styles.css
translations
.eslintrc
.gitignore
.prettierrc
CODE_OF_CC
LICENSE
package-lock
package.json
README.md
SECURITY.md
OUTLINE
TIMELINE
New File...
New Folder...
Open in Integrated Terminal
Share
Find in Folder... ⇧⌥F
Cut ⌘X
Copy ⌘C
Paste ⌘V
Download...
Upload...
Copy Path ⌥⌘C
Copy Relative Path ⇧⌥⌘C
Rename... Enter
Delete Permanently ⌘Backspace
[Preview] README.md
Simple Browser
woman-with-tablet.jpg
elonmask.jpg U
src > images > elonmask.jpg
DEBUG CONSOLE
TERMINAL
PORTS 1
AZURE
COMMENTS
kspaces/interesingportfolio (main) $ npm start
odespace-template@1.0.0 start
at http://localhost:1234
1s
bash
Codespace...
1. CUSTOMIZING YOUR PORTFOLIO[ADDING PHOTOS AND CHANGING TEXT]
2. UPLOAD NEW IMAGES
Codespaces: studious waffle
main*
Whole Image 1200x675 67.33KB
Layout: U.S.

(50) ♪ Study Night [Sooth | education/codespaces-projec | jnlliee/interesingportfolio | App.jsx — interesingportfolio [| tesla spacex – Google Поиск

studious-waffle-p5v945x74rgf6p4x.github.dev

interesingportfolio [Codespaces: studious waffle]

EXPLORER

INTERESINGPORTFOLIO [CODESPACES: STUDI...

- __images__
- .devcontainer
  - devcontainer.json
- .github
- .parcel-cache
- dist
- node_modules
- src
  - Components
  - images
    - socials
    - design-desk.jpeg
    - down-arrow.svg
    - elonmask.jpg U
    - motion-background.jpg
    - spacex.jpg U
    - woman-with-tablet.jpg
  - App.jsx
  - index.html
  - index.js
  - styles.css
  - translations
- .eslintrc
- .gitignore
- .prettierrc
- CODE_OF_CONDUCT.md
- LICENSE
- package-lock.json
- package.json
- README.md

OUTLINE

TIMELINE

[Preview] README.md | App.jsx | Simple Browser | spacex.jpg U | elonmask.jpg U

src > App.jsx > siteProps > name

```
24  * If you don't have one of the social sites listed, leave it as an empty string.
25  */
26  const siteProps = {
27    name: "Elon Mask",
28    title: "Web Designer & Content Creator",
29    email: "alex@example.com",
30    gitHub: "microsoft",
31    instagram: "microsoft",
32    linkedIn: "satyanadella",
33    medium: "",
34    twitter: "microsoft",
35    youTube: "Code",
36  };
37
38  const primaryColor = "#4E567E";
39  const secondaryColor = "#D2F1E4";
40
41  const App = () => {
42    return (
```

PROBLEMS | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS 1 | AZURE | COMMENTS

```
npm start
@jnlliee → /workspaces/interesingportfolio (main) $ npm start

> educator-js-codespace-template@1.0.0 start
> parcel

Server running at http://localhost:1234
✨ Built in 140ms
```

bash | Codespace...

1. APP[BACKGROUNG]
2. HOME [MAIN IMAGE]
3. PORTFOLIO[LAST PAGE IMAGE]

-> THESE ARE THE PARTS WE NEED TO CHANGE

Codespaces: studious waffle | main* | 0 0 | 1 | Ln 27, Col 19 | Spaces: 2 | UTF-8 | LF | JavaScript JSX | Layout: U.S. | Prettier

(50) ♪ Study Night [Sc | education/codespaces-pro | jnlliee/interesingportfolio | Home.jsx — interesingport | tesla spacex – Google Пои | who is elon musk - Поиск

studious-waffle-p5v945x74rgf6p4x.github.dev

interesingportfolio [Codespaces: studious waffle]

EXPLORER

INTERESINGPORTFOLIO [CODESPACES: STUDI...

- __images__
- .devcontainer
  - devcontainer.json
- .github
- .parcel-cache
- dist
- node_modules
- src
  - Components
    - About.jsx
    - Footer.jsx
    - Header.jsx
    - Home.jsx 2, M
    - Portfolio.jsx
  - images
    - socials
    - design-desk.jpeg
    - down-arrow.svg
    - elonmask.jpg U
    - motion-background.jpg
    - spacex.jpg U
    - woman-with-tablet.jpg
  - App.jsx M
  - index.html
  - index.js
  - styles.css
  - translations
- .eslintrc
- .gitignore
- .prettierrc

OUTLINE

TIMELINE

[Preview] README.md | App.jsx M | Home.jsx 2, M | Simple Browser | spacex.jpg U | elonmask.jpg U

src > Components > Home.jsx > ...

```
17   * represents what you see in that image.
18   *
19   *
20   * Need an image? Check out https://unsplash.com to download a photo you
21   * freely use on your site.
22   */
23  import image from "../images/elonmask.jpg";
24
25  const imageAltText = "Adult female in office setting leaning against a glass wall while holding a platinum Microsoft Surface
26
27  const Home = ({ name, title }) => {
28    return (
29      <section id="home" className="min-height">
30        <img className="background" src={image} alt="" />
31        <div style={{ position: "absolute", top: "5rem", left: "2rem", width: "17rem" }}>
32          <h1>{name}</h1>
33          <h2>{title}</h2>
34        </div>
35        <div style={{ position: "absolute", bottom: "3rem", left: "50%" }}>
```

PROBLEMS 2 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS 1 | AZURE | COMMENTS

```
npm start
@jnlliee → /workspaces/interesingportfolio (main) $ npm start

> educator-js-codespace-template@1.0.0 start
> parcel

Server running at http://localhost:1234
✨ Built in 293ms
```

bash | Codespace...

Codespaces: studious waffle | main* | 0 ⚠ 2 | 1 | Ln 24, Col 1 | Spaces: 2 | UTF-8 | LF | JavaScript JSX | Layout: U.S. | Prettier

(50) ♪ Study Night [Sc | education/codespaces-pr | jnlliee/interesingportfolio | Portfolio.jsx — interesingp | tesla spacex – Google Пои | who is elon musk - Поиск

studious-waffle-p5v945x74rgf6p4x.github.dev

interesingportfolio [Codespaces: studious waffle]

EXPLORER

INTERESINGPORTFOLIO [CODESPACES: STUDI...

- __images__
- .devcontainer
  - devcontainer.json
- .github
- .parcel-cache
- dist
- node_modules
- src
  - Components
    - About.jsx
    - Footer.jsx
    - Header.jsx
    - Home.jsx 2, M
    - Portfolio.jsx M
  - images
    - socials
    - design-desk.jpeg
    - down-arrow.svg
    - elonmask.jpg U
    - motion-background.jpg
    - spacex.jpg U
    - woman-with-tablet.jpg
  - App.jsx M
  - index.html
  - index.js
  - styles.css
  - translations
  - .eslintrc
  - .gitignore
  - .prettierrc

OUTLINE

TIMELINE

[Preview] README.md | App.jsx M | Home.jsx 2, M | Portfolio.jsx M | Simple Browser | spacex.jpg U | elonmask.

src > Components > Portfolio.jsx > ...

```
17  * updating below imageAltText to string that represents what you see in that image.
18  *
19  * Need an image? Check out https://unsplash.com to download a photo you
20  * freely use on your site.
21  */
22 import image from "../images/spacex.jpg";
23
24 const imageAltText = "desktop with books and laptop";
25
26 /**
27  * Project list
28  *
29  * An array of objects that will be used to display for your project
30  * links section. Below is a sample, update to reflect links you'd like to highlight.
31  */
32 const projectList = [
33   {
34     title: "10 Things To Know About Azure Static Web Apps 🎉",
35     description:
```

PROBLEMS 2 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS 1 | AZURE | COMMENTS

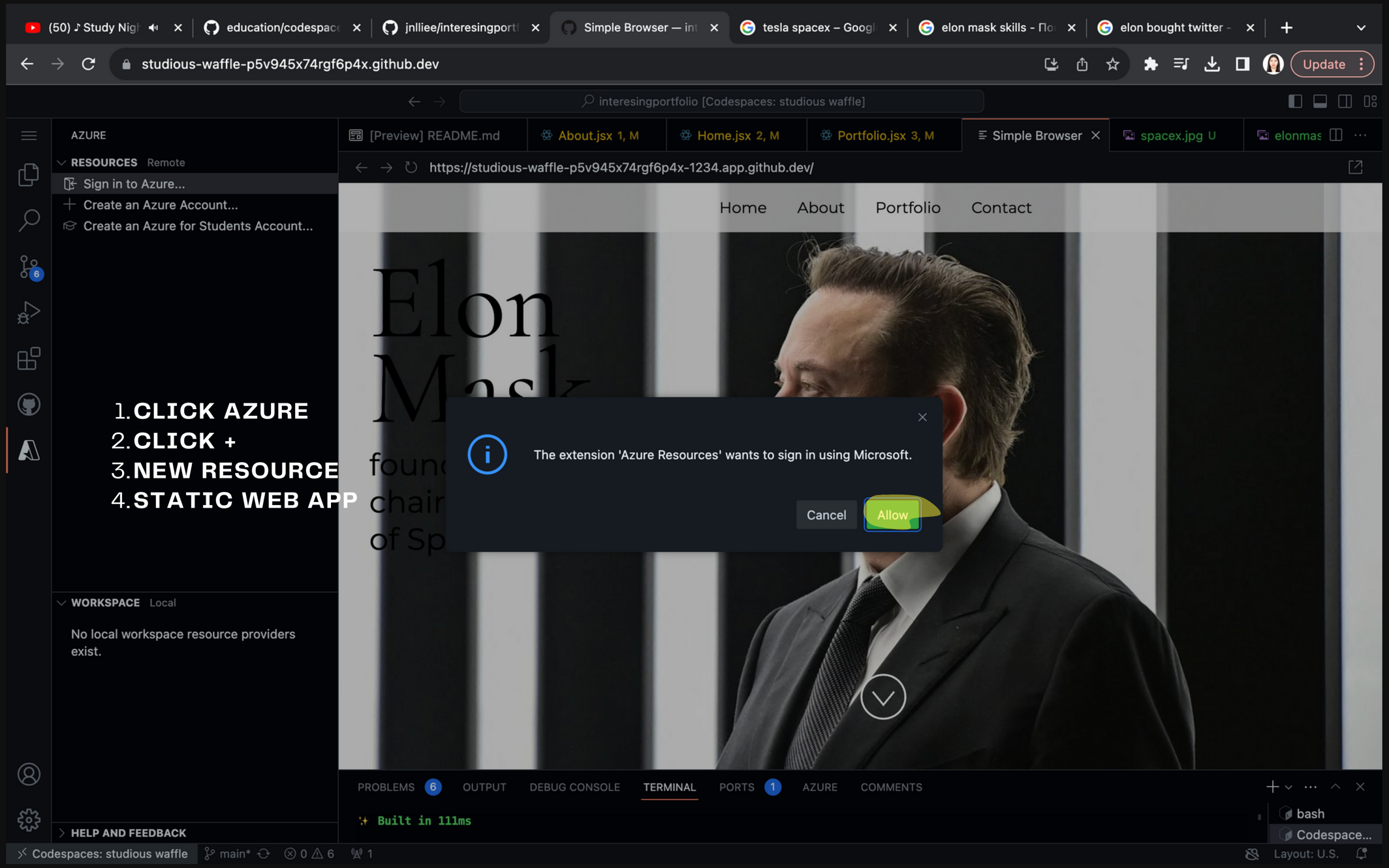
```
@jnlliee → /workspaces/interesingportfolio (main) $ npm start

> educator-js-codespace-template@1.0.0 start
> parcel

Server running at http://localhost:1234
✨ Built in 262ms
```

bash | Codespace...

Codespaces: studious waffle | main* | ⊗ 0 ⚠ 2 | 1 | Ln 25, Col 1 | Spaces: 2 | UTF-8 | LF | JavaScript JSX | Layout: U.S. | Prettier


studious-waffle-p5v945x74rgf6p4x.github.dev
interesingportfolio [Codespaces: studious waffle]
AZURE
RESOURCES Remote
Sign in to Azure...
Create an Azure Account...
Create an Azure for Students Account...
1. CLICK AZURE
2. CLICK +
3. NEW RESOURCE
4. STATIC WEB APP
WORKSPACE Local
No local workspace resource providers exist.
HELP AND FEEDBACK
[Preview] README.md
About.jsx 1, M
Home.jsx 2, M
Portfolio.jsx 3, M
Simple Browser
spacex.jpg U
https://studious-waffle-p5v945x74rgf6p4x-1234.app.github.dev/
Home
About
Portfolio
Contact
Elon
The extension 'Azure Resources' wants to sign in using Microsoft.
Cancel
Allow
PROBLEMS 6
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 1
AZURE
COMMENTS
Built in 111ms
bash
Codespace...
Codespaces: studious waffle
main*
Layout: U.S.

(50) ♪ Study Nigh | education/codespace | jnlliee/interesingportf | Simple Browser — int | tesla spacex – Googl | elon mask skills - Plo | elon bought twitter -

studious-waffle-p5v945x74rgf6p4x.github.dev

Update

Select Subscriptions 1 Selected OK

Azure for Students

AZURE

RESOURCES Remote

Select Subscriptions...

WORKSPACE Local

No local workspace resource providers exist.

HELP AND FEEDBACK

[Previe | Simple Browser | spacex.jpg U | elonmas

https://studious-waffle-p5v945x74rgf6p4x-1234.app.github.dev/

Home About Portfolio Contact

Elon Mask

founder, chairman, CEO of SpaceX

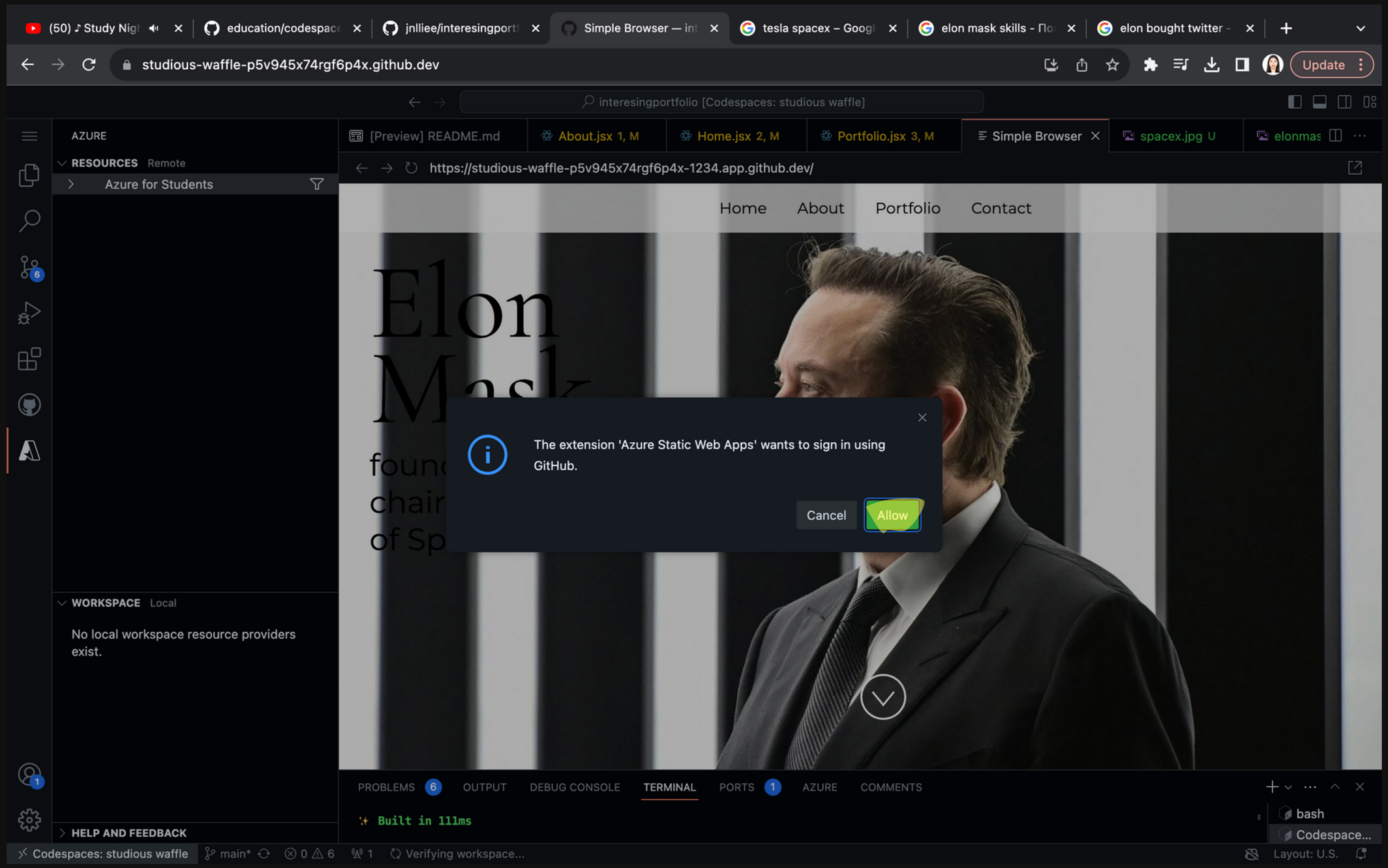
PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS 1 AZURE COMMENTS

✨ Built in 111ms

bash

Codespace...

Codespaces: studious waffle main* 0 6 1 Layout: U.S.


(50) ♪ Study Nigh
education/codespace
jnlliee/interesingport
Simple Browser — int
tesla spacex – Googl
elon mask skills - Po
elon bought twitter -
studious-waffle-p5v945x74rgf6p4x.github.dev
Update
interesingportfolio [Codespaces: studious waffle]
AZURE
RESOURCES Remote
Azure for Students
WORKSPACE Local
No local workspace resource providers exist.
HELP AND FEEDBACK
[Preview] README.md
About.jsx 1, M
Home.jsx 2, M
Portfolio.jsx 3, M
Simple Browser
spacex.jpg U
elonmas
https://studious-waffle-p5v945x74rgf6p4x-1234.app.github.dev/
Home
About
Portfolio
Contact
Elon
The extension 'Azure Static Web Apps' wants to sign in using GitHub.
Cancel
Allow
PROBLEMS 6
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS 1
AZURE
COMMENTS
Built in 111ms
bash
Codespace...
Codespaces: studious waffle
main*
0 6
1
Verifying workspace...
Layout: U.S.

(50) ♪ Study Nigh | education/codespace | jnlliee/interesingportf | Simple Browser — int | tesla spacex – Googl | elon mask skills - Flo | elon bought twitter -

studious-waffle-p5v945x74rgf6p4x.github.dev

Update

Create Static Web App (1/5)

interesingportfolio

Enter a name for the new static web app. (Press 'Enter' to confirm or 'Escape' to cancel)

AZURE

RESOURCES Remote

Azure for Students

WORKSPACE Local

No local workspace resource providers exist.

HELP AND FEEDBACK

[Previe | Browser | spacex.jpg | elonmask.jpg

Home About Portfolio Contact

Elon Mask

founder, chairman, CEO of SpaceX

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL PORTS 1 AZURE COMMENTS

✨ Built in 111ms

bash

Codespace...

Codespaces: studious waffle main 0↓ 1↑ 0 6 1 Layout: U.S.

(50) ♪ Study Nigh | education/codespace | jnlliee/interesingport | Simple Browser — int | tesla spacex – Googl | elon mask skills - Po | elon bought twitter -

studious-waffle-p5v945x74rgf6p4x.github.dev

Update

Create Static Web App (2/5)

Select a region for Azure Functions API and staging environments

- East US 2
- West US 2
- West Europe
- Central US
- East Asia

AZURE

RESOURCES Remote

Azure for Students

1. EAST ASIA
2. REACT
3. /
4. DIST

WORKSPACE Local

No local workspace resource providers exist.

HELP AND FEEDBACK

[Previe | Browser | spacex.jpg | elonmask.jpg

ontact

Elon Mask

founder, chairman, CEO of SpaceX

PROBLEMS 6 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS 1 | AZURE | COMMENTS

✨ Built in 111ms

bash

Codespace...

Codespaces: studious waffle | main 0↓ 1↑ | 0 6 | 1 | Layout: U.S.

(50) ♪ Study Nigh | education/codespace | jnlliee/interesingportf | Simple Browser — int | tesla spacex – Googl | elon mask skills - По | elon bought twitter -

studious-waffle-p5v945x74rgf6p4x.github.dev

Update

Create Static Web App (3/5)

Choose build preset to configure default project structure

Angular	Framework
React	
Svelte	
Vue.js	
Blazor	
Next.js (SSR)	
Next.js (static export)	
Nuxt 3	
SvelteKit	
HTML	
Gatsby	Static site generator
Hugo	
VuePress	
Custom	Other

AZURE

RESOURCES Remote

Azure for Students

WORKSPACE Local

No local workspace resource providers exist.

HELP AND FEEDBACK

[Previe | Browser | spacex.jpg | elonmask.jpg

ontact

founder,
chairman, CEO
of SpaceX

PROBLEMS 6 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS 1 | AZURE | COMMENTS

✨ Built in 111ms

bash

Codespace...

Codespaces: studious waffle | main | 0↓ 1↑ | 0 6 | 1

Layout: U.S.

(50) ♪ Study Nigh | education/codespace | jnlliee/interesingport | Simple Browser — int | tesla spacex – Googl | elon mask skills - Flo | elon bought twitter -

studious-waffle-p5v945x74rgf6p4x.github.dev

Update

Create Static Web App (5/5)

dist

Enter the location of your build output relative to your app's location or leave blank if it has no build. For example, setting a value of 'build' when your app location is set to 'app' will cause the content at 'app/build' to be served. (Press 'Enter' to confirm or 'Escape' to cancel)

AZURE

RESOURCES Remote

Azure for Students

WORKSPACE Local

No local workspace resource providers exist.

HELP AND FEEDBACK

[Previe | Browser | spacex.jpg | elonmask.jpg

ontact

Elon Mask

founder, chairman, CEO of SpaceX

PROBLEMS 6 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS 1 | AZURE | COMMENTS

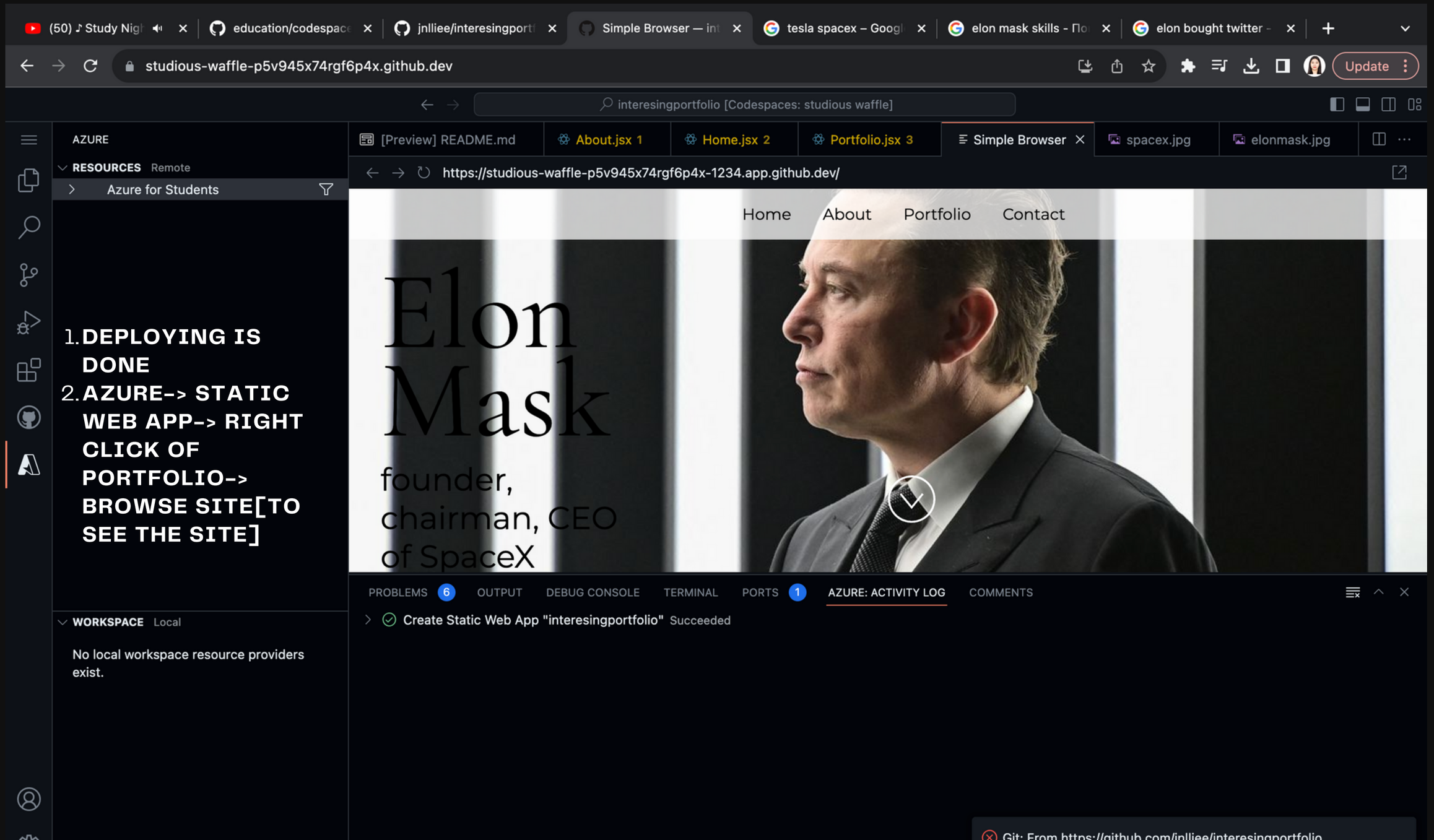
✨ Built in 111ms

bash

Codespace...

Codespaces: studious waffle | main 0↓ 1↑ | 0 6 | 1 | Layout: U.S.

1. DEPLOYING IS DONE
2. AZURE-> STATIC WEB APP-> RIGHT CLICK OF PORTFOLIO-> BROWSE SITE[TO SEE THE SITE]



(50) ♪ Study Night [Sooth
Simple Browser — interesingp
Educator JS Codespaces Tem
studious-waffle-p5v945x74rgf6p4x.github.dev
Update
interesingportfolio [Codespaces: studious waffle]

AZURE

RESOURCES Remote
- Azure for Students
  - App Services
  - Azure Cosmos DB
  - Container Apps
  - Function App
  - Logic App
  - PostgreSQL servers (Flexible)
  - PostgreSQL servers (Standard)
  - Spring Apps
  - Static Web Apps
    - example jnlliee/example
    - interesingportfolio jnlliee/interesin
      - Production main
      - interesingportfoli
      - portfolio jnlliee/po
      - portfolio jnlliee/po
  - Storage accounts
  - Virtual machines

Browse Site
Clone Repo...
Edit Workflow...
Delete...
Edit Tags...
View Properties
Open in Portal
Refresh

WORKSPACE Local

No local workspace resou
exist.

[Preview] README.md
Simple Browser
https://studious-waffle-p5v945x74rgf6p4x-1234.app.github.dev/

Home About Portfolio Contact

Elon Mask

founder,
chairman, CEO
of SpaceX

OBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 2 AZURE: ACTIVITY LOG COMMENTS

ew all of your recent activities and quickly access resources you've recently created.

Create an Azure resource

(50) ♪ Study | education/codes | jnlliee/interesing | Simple Browser | Azure Static Web | tesla spacex – G | elon mask skills | elon bought twitt

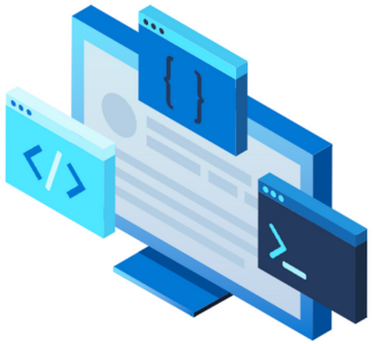
mango-pebble-03f893800.3.azurestaticapps.net

Update

Microsoft Azure

Your Azure Static Web App is live and waiting for your content

Your app is now live, but we don't have your content updates. Check the deployment status in the GitHub Actions tab in your repository. Learn more about deployment from the Static Web App deployment docs. Learn more



1. **WAIT UNTIL IT'S DONE!**