

npm init step (package.json created for server.js)

```
PROBLEMS  OUTPUT  TERMINAL  ...  powershell - Assignment-3  + v  [ ]  [X]  ...  |  [ ]  X

● PS  Focus folder in explorer (ctrl + click)  p\WEB700> cd Assignment-3
● PS C:\Users\engom\OneDrive\Desktop\WEB700\Assignment-3> npm init -y
Wrote to C:\Users\engom\OneDrive\Desktop\WEB700\Assignment-3\package.json:

{
  "name": "assignment-3",
  "version": "1.0.0",
  "description": "",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node server.js"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}
```

installed express with npm

```
PROBLEMS  OUTPUT  TERMINAL  ...  powershell - Assignment-3  + v  [ ]  [X]  ...  |  [ ]  X

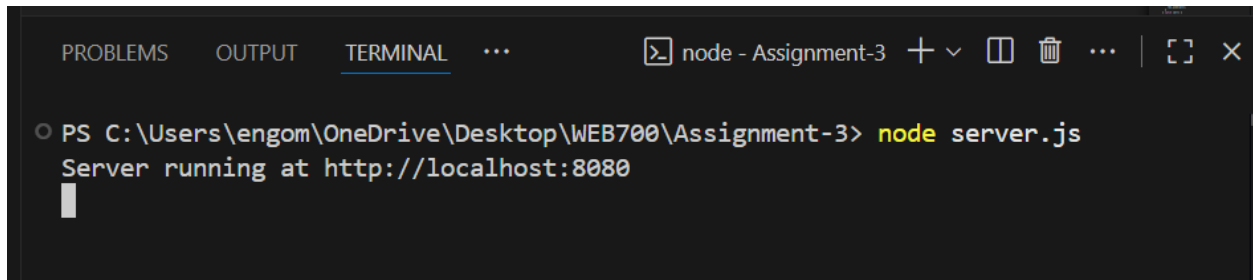
● PS C:\Users\engom\OneDrive\Desktop\WEB700\Assignment-3> npm install express

added 68 packages, and audited 69 packages in 3s

16 packages are looking for funding
  run `npm fund` for details

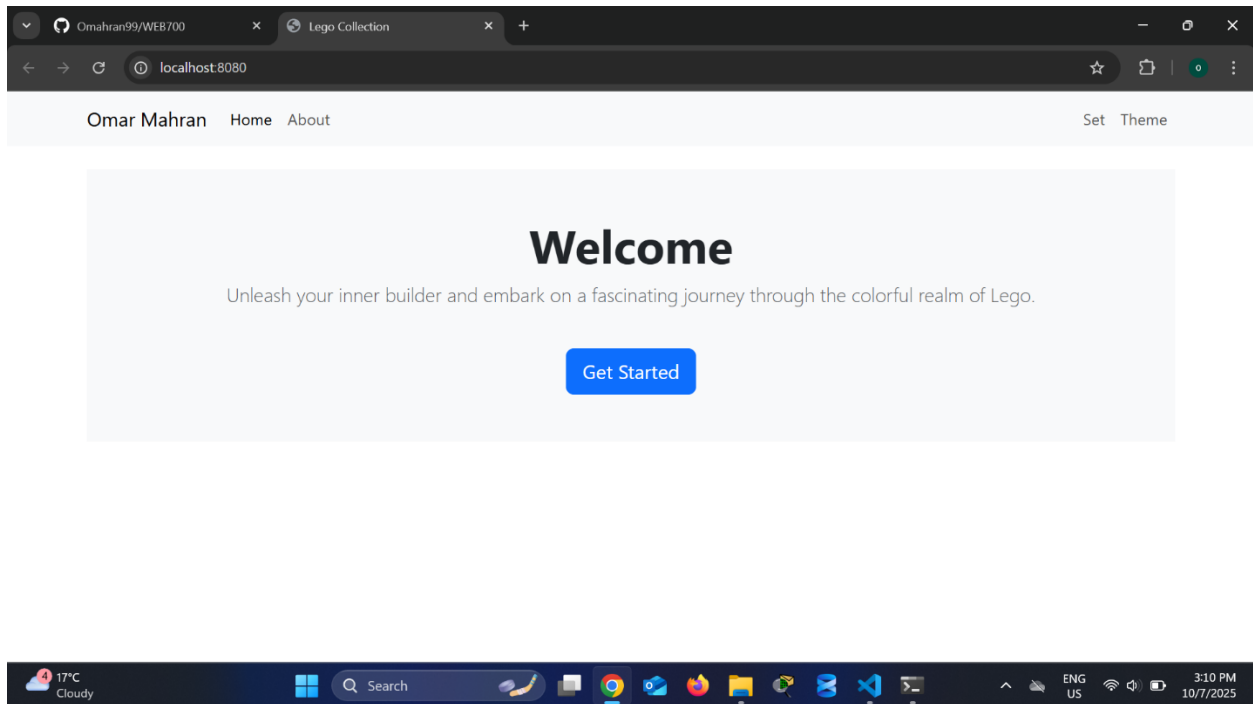
found 0 vulnerabilities
PS C:\Users\engom\OneDrive\Desktop\WEB700\Assignment-3> 
```

server started and running on localhost:8080

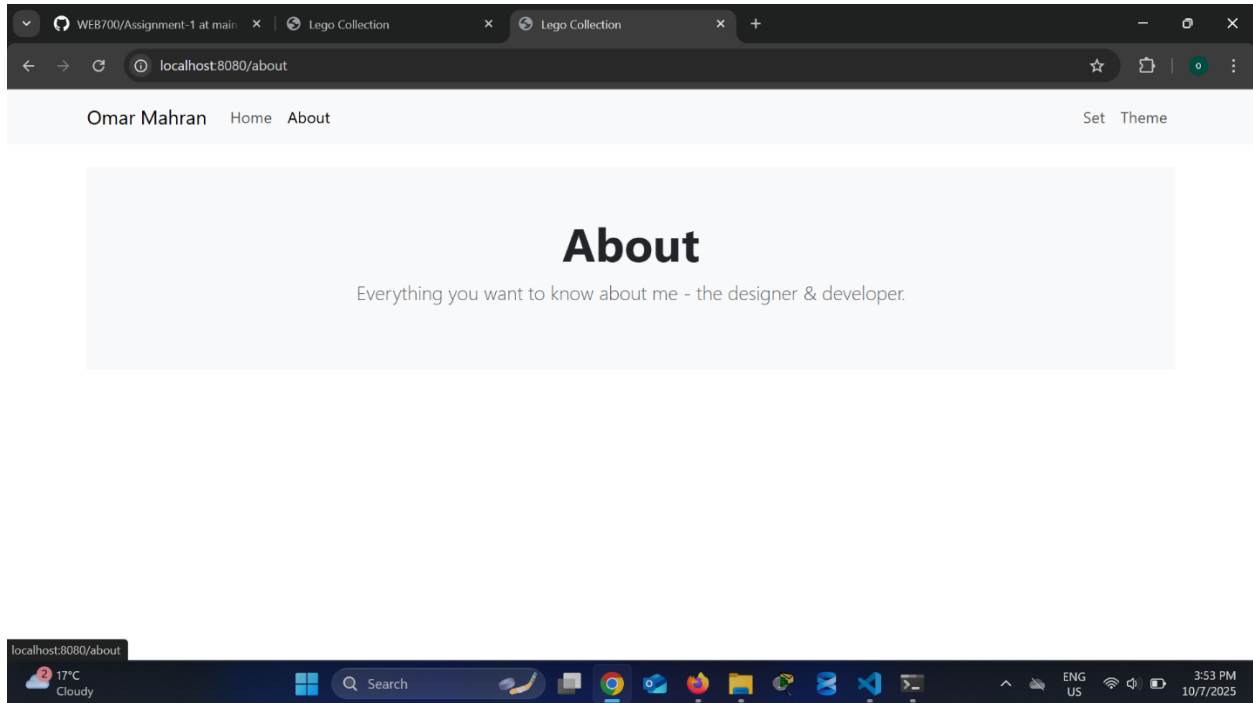


```
node - Assignment-3
PS C:\Users\engom\OneDrive\Desktop\WEB700\Assignment-3> node server.js
Server running at http://localhost:8080
```

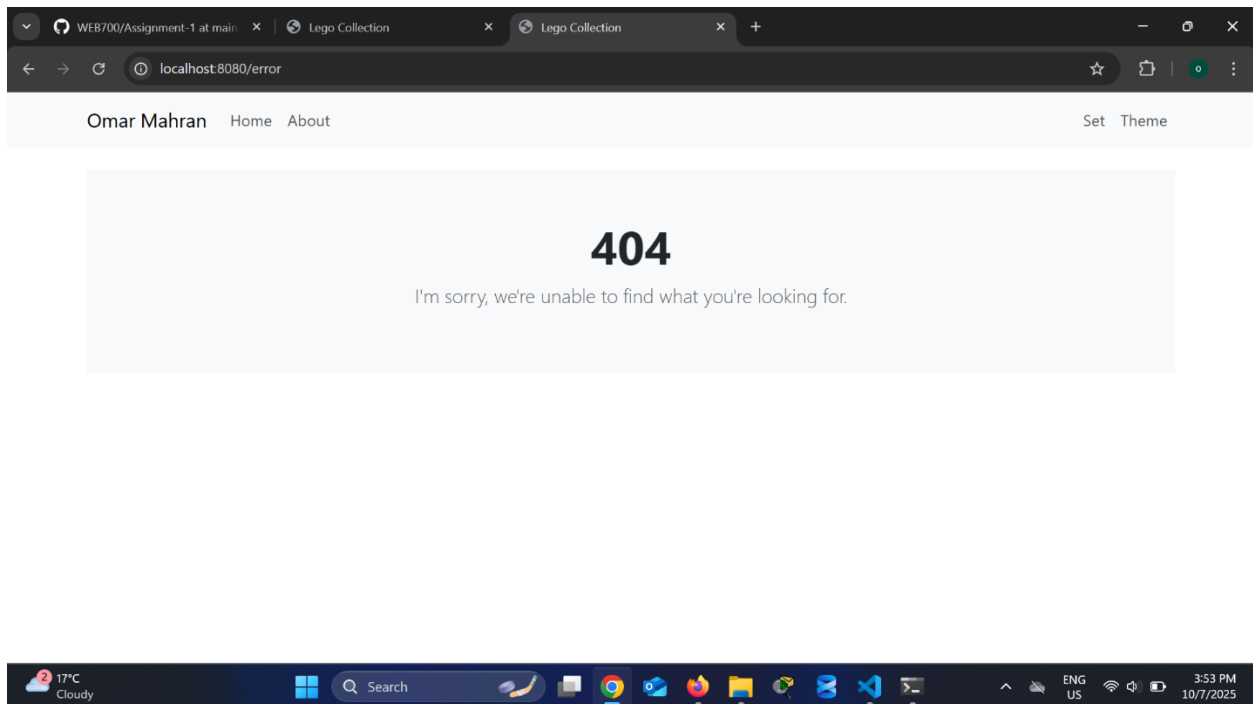
home page working on localhost:8080



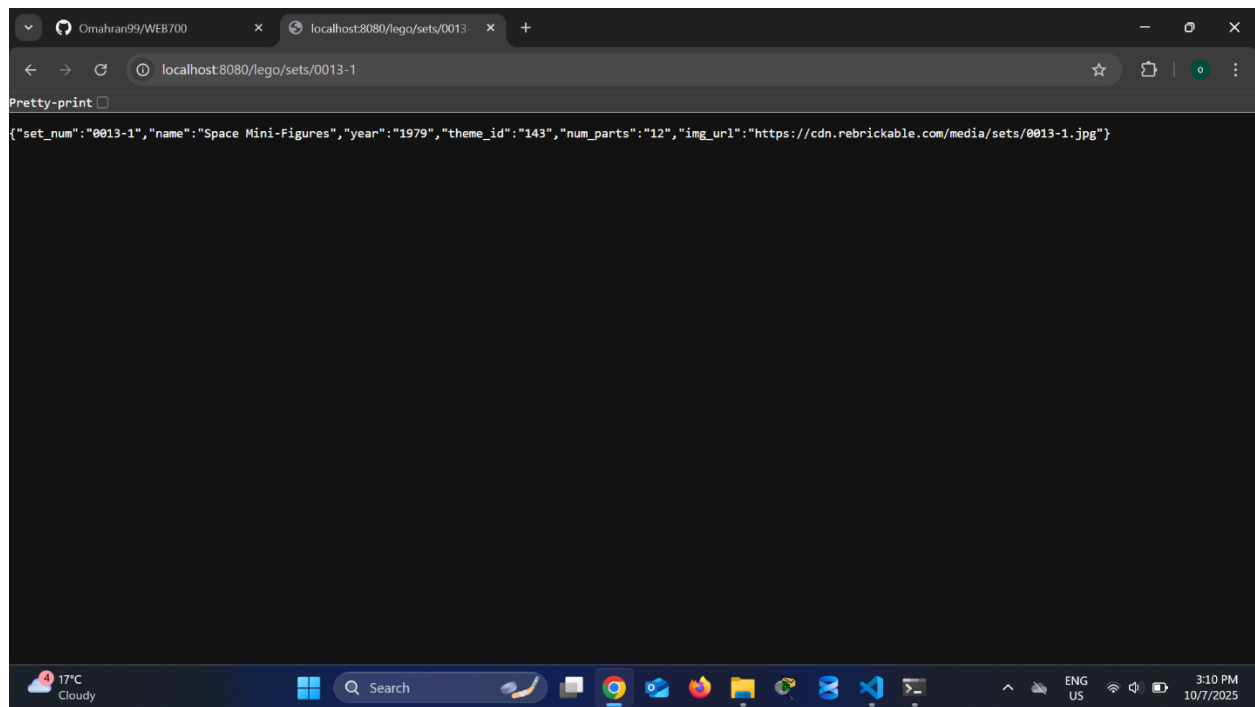
about page working on localhost:8080



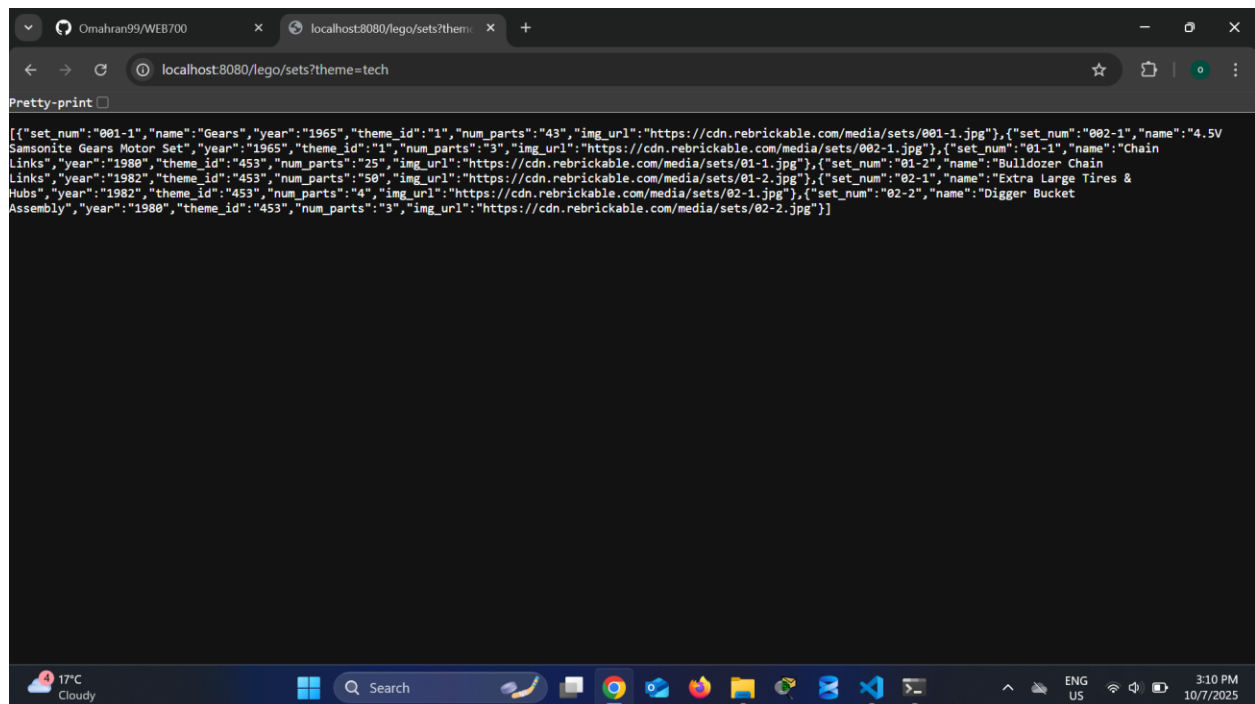
404 error page



lego set found by set_num (0013-1)



lego sets filtered by theme (tech)



showing all lego sets

Omahan99/WEB700 x localhost:8080/lego/sets x +

localhost:8080/lego/sets

Pretty-print

```
[{"set_num": "001-1", "name": "Gears", "year": "1965", "theme_id": "1", "num_parts": "43", "img_url": "https://cdn.rebrickable.com/media/sets/001-1.jpg"}, {"set_num": "0011-2", "name": "Town Mini-Figures", "year": "1979", "theme_id": "67", "num_parts": "12", "img_url": "https://cdn.rebrickable.com/media/sets/0011-2.jpg"}, {"set_num": "0011-3", "name": "Castle 2 for 1 Bonus Offer", "year": "1987", "theme_id": "199", "num_parts": "0", "img_url": "https://cdn.rebrickable.com/media/sets/0011-3.jpg"}, {"set_num": "0012-1", "name": "Space Mini-Figures", "year": "1979", "theme_id": "143", "num_parts": "12", "img_url": "https://cdn.rebrickable.com/media/sets/0012-1.jpg"}, {"set_num": "0013-1", "name": "Space Mini-Figures", "year": "1979", "theme_id": "143", "num_parts": "12", "img_url": "https://cdn.rebrickable.com/media/sets/0013-1.jpg"}, {"set_num": "0014-1", "name": "Space Mini-Figures", "year": "1979", "theme_id": "143", "num_parts": "2", "img_url": "https://cdn.rebrickable.com/media/sets/0014-1.jpg"}, {"set_num": "0015-1", "name": "Space Mini-Figures", "year": "1979", "theme_id": "143", "num_parts": "18", "img_url": "https://cdn.rebrickable.com/media/sets/0015-1.jpg"}, {"set_num": "0016-1", "name": "Castle Mini-Figures", "year": "1979", "theme_id": "189", "num_parts": "15", "img_url": "https://cdn.rebrickable.com/media/sets/0016-1.jpg"}, {"set_num": "002-1", "name": "4.5V Samsontite Gears Motor Set", "year": "1965", "theme_id": "11", "num_parts": "3", "img_url": "https://cdn.rebrickable.com/media/sets/002-1.jpg"}, {"set_num": "002253963-1", "name": "Legend of Chima: Corbeaux et Gorilles", "year": "2013", "theme_id": "497", "num_parts": "4", "img_url": "https://cdn.rebrickable.com/media/sets/002253963-1.jpg"}, {"set_num": "003-1", "name": "Master Mechanic Set", "year": "1966", "theme_id": "366", "num_parts": "403", "img_url": "https://cdn.rebrickable.com/media/sets/003-1.jpg"}, {"set_num": "005-1", "name": "Basic Building Set in Cardboard", "year": "1965", "theme_id": "366", "num_parts": "35", "img_url": "https://cdn.rebrickable.com/media/sets/005-1.jpg"}, {"set_num": "005-2", "name": "Discovery Set", "year": "1967", "theme_id": "366", "num_parts": "0", "img_url": "https://cdn.rebrickable.com/media/sets/005-2.jpg"}, {"set_num": "00-6", "name": "Special Offer", "year": "1985", "theme_id": "67", "num_parts": "0", "img_url": "https://cdn.rebrickable.com/media/sets/00-6.jpg"}, {"set_num": "010-1", "name": "Basic Building Set in Cardboard", "year": "1965", "theme_id": "366", "num_parts": "57", "img_url": "https://cdn.rebrickable.com/media/sets/010-1.jpg"}, {"set_num": "010-2", "name": "Pre-School Set", "year": "1973", "theme_id": "505", "num_parts": "18", "img_url": "https://cdn.rebrickable.com/media/sets/010-2.jpg"}, {"set_num": "010-3", "name": "Basic Building Set", "year": "1968", "theme_id": "366", "num_parts": "77", "img_url": "https://cdn.rebrickable.com/media/sets/010-3.jpg"}, {"set_num": "010423-1", "name": "The Majestic Horse", "year": "2023", "theme_id": "721", "num_parts": "0", "img_url": "https://cdn.rebrickable.com/media/sets/010423-1.jpg"}, {"set_num": "01-1", "name": "Chain Links", "year": "1980", "theme_id": "453", "num_parts": "25", "img_url": "https://cdn.rebrickable.com/media/sets/01-1.jpg"}, {"set_num": "011-1", "name": "Basic Building Set", "year": "1968", "theme_id": "366", "num_parts": "145", "img_url": "https://cdn.rebrickable.com/media/sets/011-1.jpg"}, {"set_num": "01-2", "name": "Bulldozer Chain Links", "year": "1982", "theme_id": "453", "num_parts": "50", "img_url": "https://cdn.rebrickable.com/media/sets/01-2.jpg"}, {"set_num": "02-1", "name": "Extra Large Tires & Hubs", "year": "1982", "theme_id": "453", "num_parts": "4", "img_url": "https://cdn.rebrickable.com/media/sets/02-1.jpg"}, {"set_num": "021-1", "name": "Wheel Set", "year": "1966", "theme_id": "366", "num_parts": "183", "img_url": "https://cdn.rebrickable.com/media/sets/021-1.jpg"}, {"set_num": "02-2", "name": "Digger Bucket Assembly", "year": "1980", "theme_id": "453", "num_parts": "3", "img_url": "https://cdn.rebrickable.com/media/sets/02-2.jpg"}, {"set_num": "022-1", "name": "Basic Building Set", "year": "1968", "theme_id": "366", "num_parts": "110", "img_url": "https://cdn.rebrickable.com/media/sets/022-1.jpg"}, {"set_num": "0241187567-1", "name": "Ninjago: Build Your Own Adventure", "year": "2015", "theme_id": "497", "num_parts": "74", "img_url": "https://cdn.rebrickable.com/media/sets/0241187567-1.jpg"}, {"set_num": "0241357594-1", "name": "Star Wars: Build Your Own Adventure: Galactic Missions", "year": "2019", "theme_id": "497", "num_parts": "70", "img_url": "https://cdn.rebrickable.com/media/sets/0241357594-1.jpg"}, {"set_num": "028-1", "name": "Nursery Furniture", "year": "1979", "theme_id": "652", "num_parts": "7", "img_url": "https://cdn.rebrickable.com/media/sets/028-1.jpg"}, {"set_num": "030-2", "name": "Building Set", "year": "1973", "theme_id": "505", "num_parts": "29", "img_url": "https://cdn.rebrickable.com/media/sets/030-2.jpg"}, {"set_num": "03093-1", "name": "The Race to Build It Board Game", "year": "1999", "theme_id": "674", "num_parts": "77", "img_url": "https://cdn.rebrickable.com/media/sets/03093-1.jpg"}]
```

17°C Cloudy Search ENG US 3:10 PM 10/7/2025