

## Assignment 3 – Web Programming

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<b>Course Information</b>	WEB700NII - Web Programming
<b>Assessment Name</b>	Assignment 3
<b>Date</b>	10/06/2025

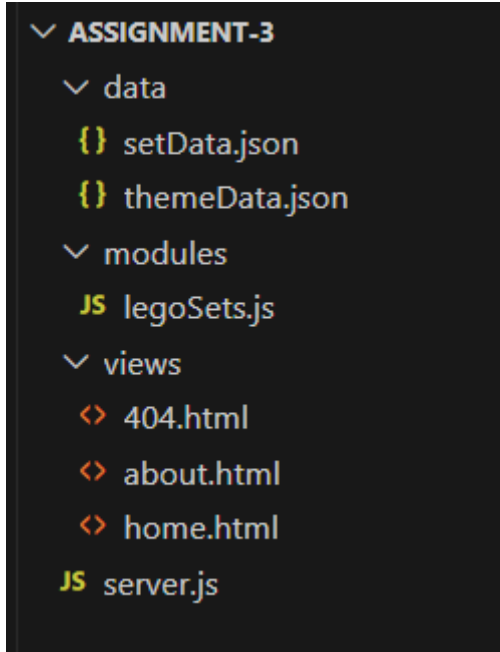
### Honesty Statement

I declare that the attached assessment is wholly my own work in accordance with Seneca Academic Policy. No part of this assignment has been copied manually or electronically from any other source (including web sites) or distributed to other students.

## Assignment 3 – Web Programming

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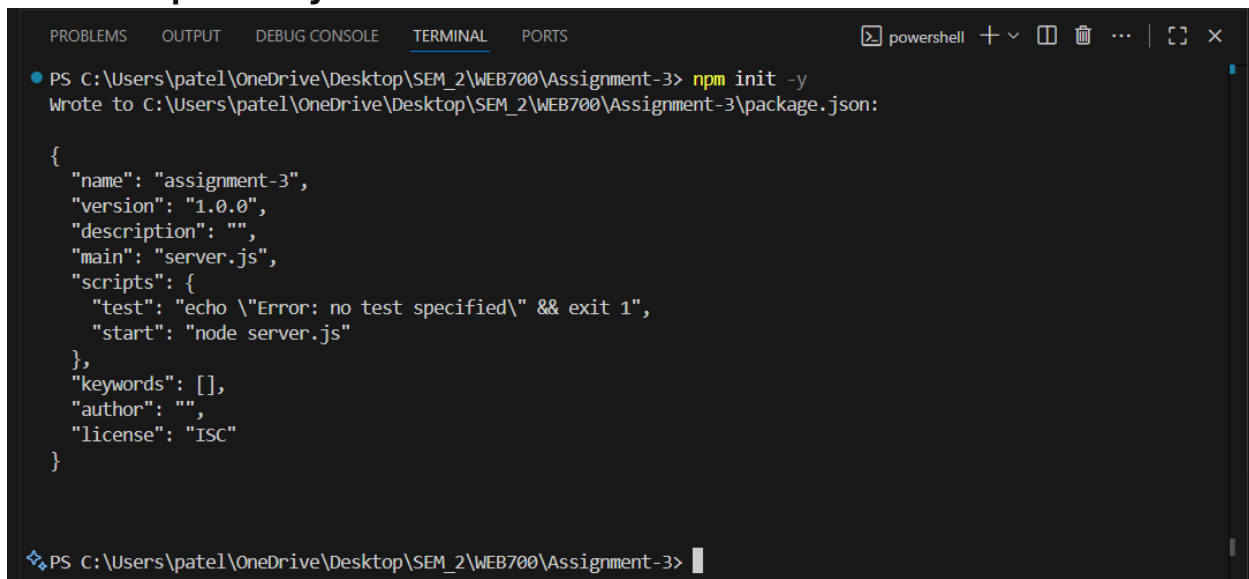
### 1. Created Folders and Files



### 2. Copy the content of html and json files from lab instructions link

### 3. Write server.js code as per lab instructions

### 4. Run “npm init -y”



```
PS C:\Users\patel\OneDrive\Desktop\SEM_2\WEB700\Assignment-3> npm init -y
Wrote to C:\Users\patel\OneDrive\Desktop\SEM_2\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"
}
```

It creates **package.json** so npm can track scripts

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### 5. Run “npm install express”

```
PS C:\Users\patel\OneDrive\Desktop\SEM_2\WEB700\Assignment-3> npm install express

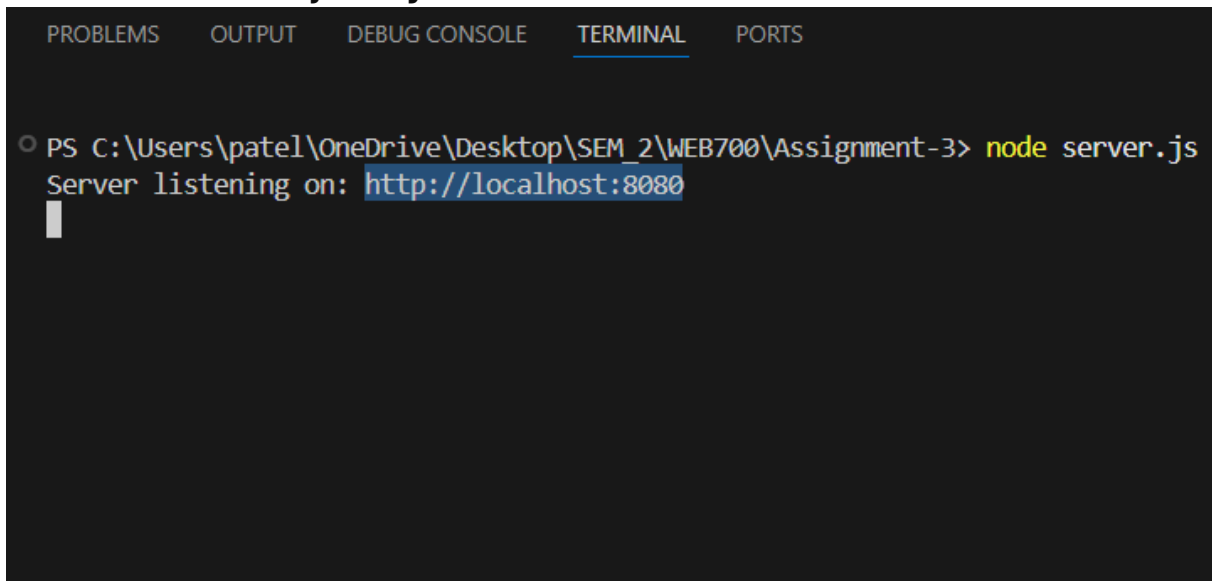
up to date, audited 69 packages in 562ms

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

found 0 vulnerabilities
PS C:\Users\patel\OneDrive\Desktop\SEM_2\WEB700\Assignment-3> 
```

Express is the web framework your server uses.

### 6. Run “node server.js” in your terminal



The screenshot shows a VS Code terminal window with the following content:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

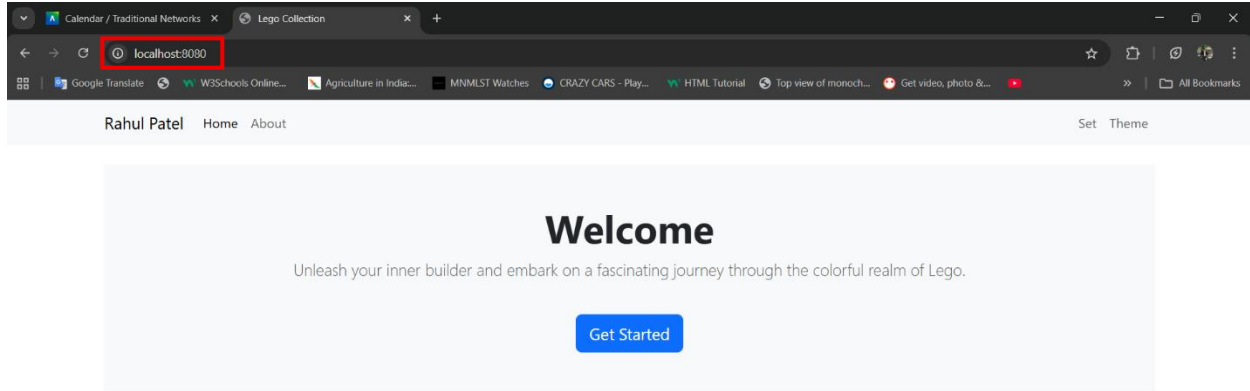
PS C:\Users\patel\OneDrive\Desktop\SEM_2\WEB700\Assignment-3> node server.js
Server listening on: http://localhost:8080
```

### 7. Copy the link <http://localhost:8080> and open it into the browser and check the following links

- Home Page : <http://localhost:8080/>
- About Page : <http://localhost:8080/about>
- Lego sets : <http://localhost:8080/lego/sets>
- 404 Page : <http://localhost:8080/a>

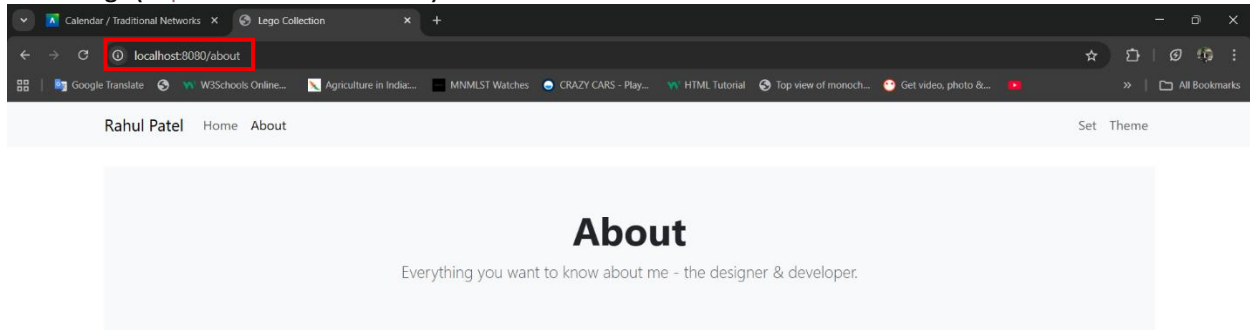
# Assignment 3 – Web Programming

Home Page (<http://localhost:8080/>)



Displays the main page to introduce the website.

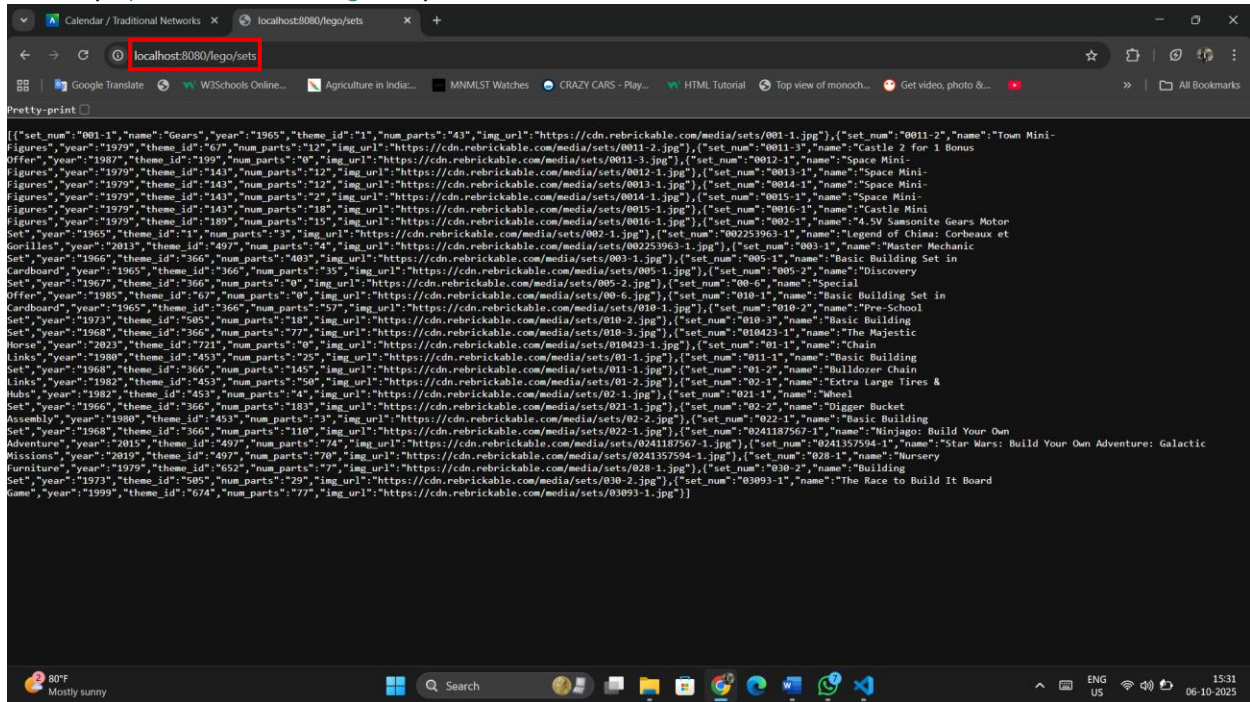
About Page (<http://localhost:8080/about>)



Shows About page information

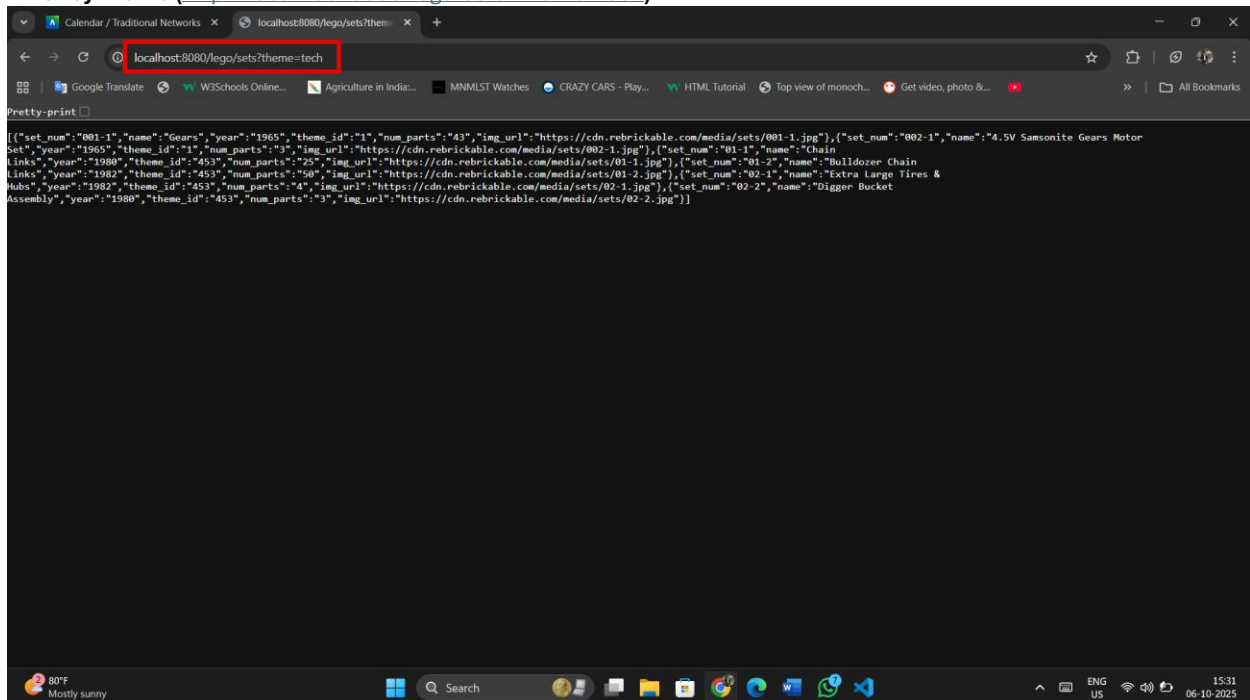
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All sets (<http://localhost:8080/lego/sets>)



List all available Lego sets

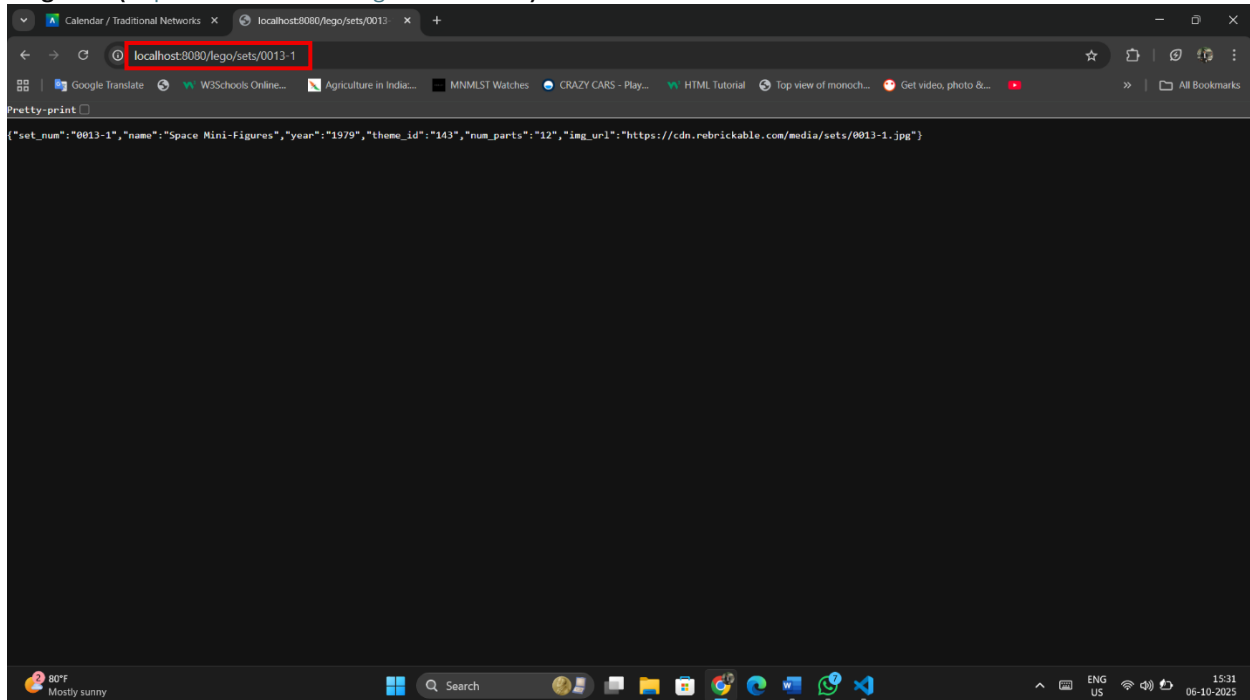
Filter by theme (<http://localhost:8080/lego/sets?theme=tech>)



Displays Lego sets of a chosen theme.

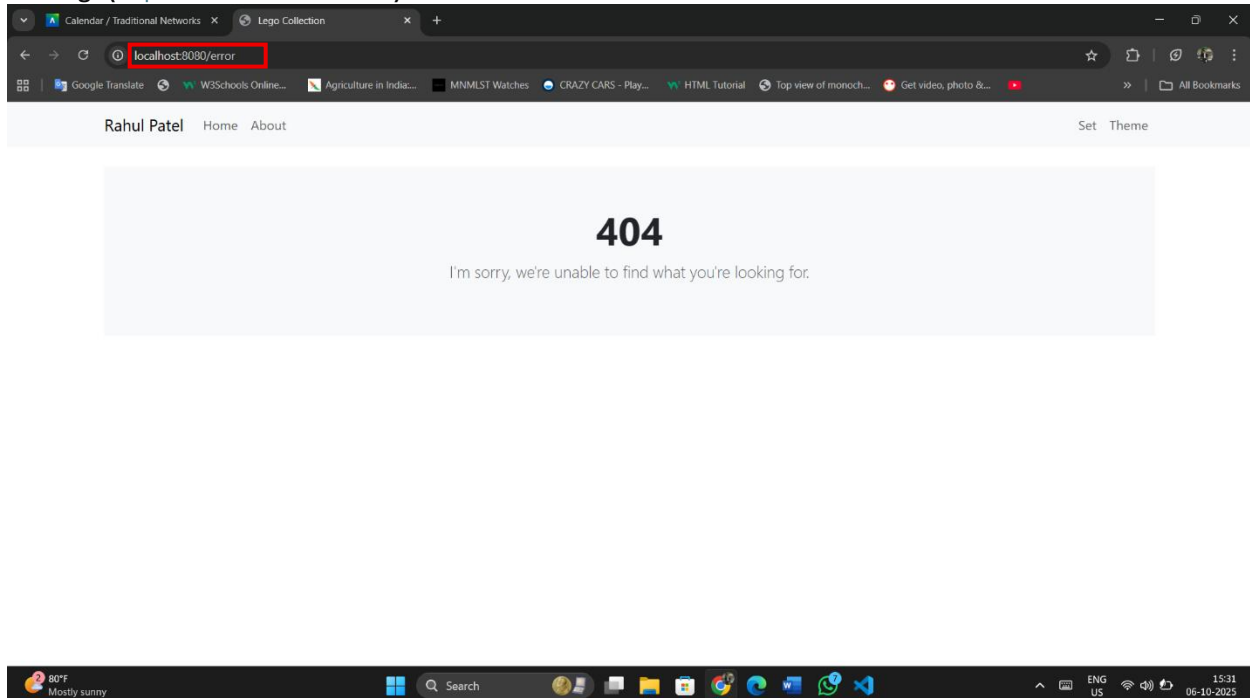
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### Single set (<http://localhost:8080/lego/sets/0013-1>)



Shows details of one specific Lego set

### 404 Page (<http://localhost:8080/error>)



If you enter wrong file name or information that doesn't exist, then it is called 404.html by default.