

## Practice Module 4

Tested on both the systems below-

Macbook Pro (13 inch, 2017, Two Thunderbolt 3 ports)

Operating system: mac Catalina (10.15.7)

Processor: 2.3 GHz Dual-Core Intel Core i5

Memory 8GB 2133 MHz LPDDR3

Graphics Intel Iris Plus Graphics 540 1536 MB

Safari Version 14.0

Operating system: Windows 10 home (20H2) – created on this system

OS build:19042.662

Experience: Windows feature experience pack 120.2212.551.0

HP ENVY X360 convertible 15-DS1XXX

Processor AMD Rizen 5 4500U with Radeon graphics 2.38GHz

Memory 16GB

Browser version: Microsoft edge (87.0.664.57)

Tested using windows CMD terminal

**Node.js version (v14.15.1)**

### TypeScript – 4.1.2

M3server.ts constructs http server using the express module. It uses app.get function to serve different html pages and to serve get req for diff html pages. And app.post function for post request on form submission by the client. It uses express.static middleware to serve static resources such as images.

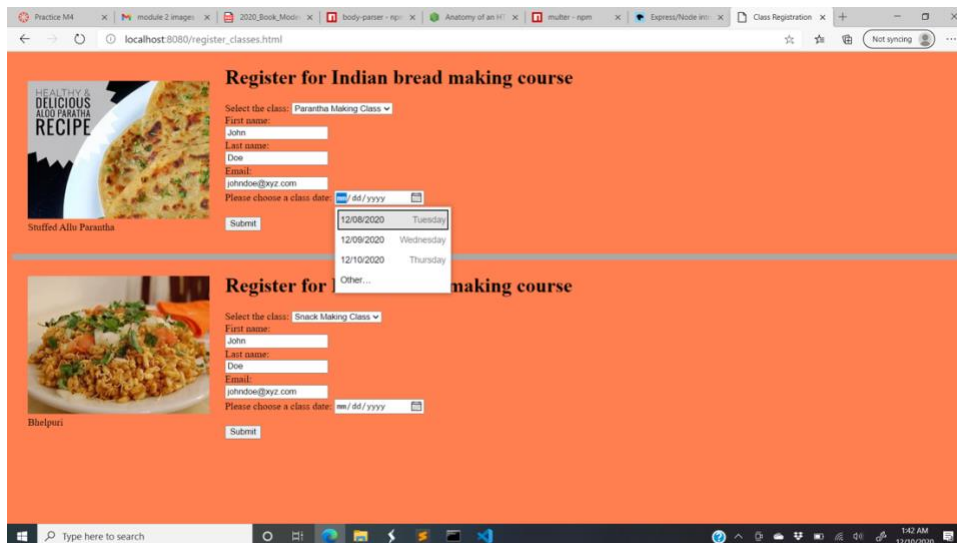
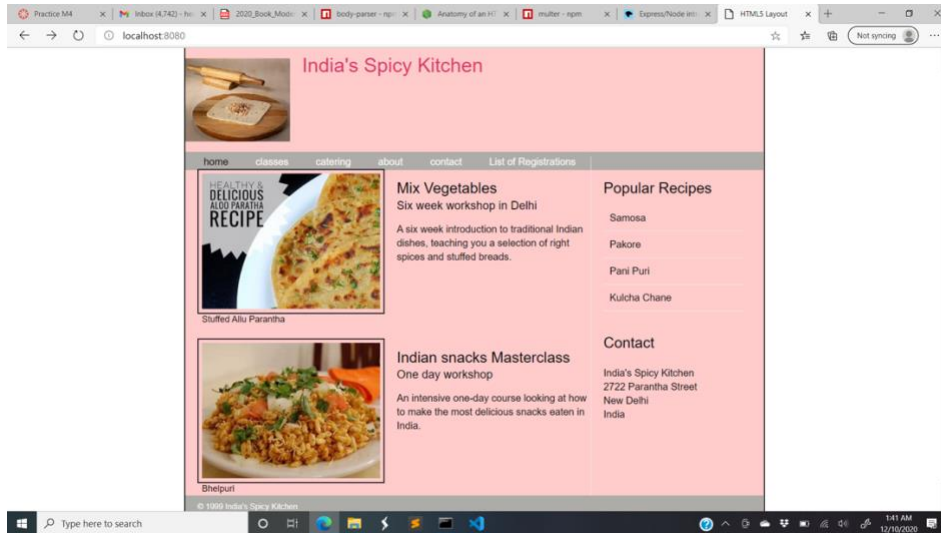
Server defines class for courses, clients and course registrations. The server instantiates a course registration object when a client registers for a course and stores it in course registration list. This list keeps track of all the registration done by the server is running.

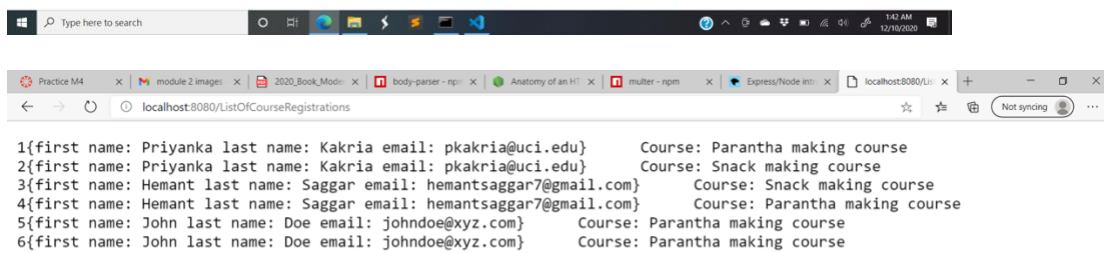
### Expected behavior:

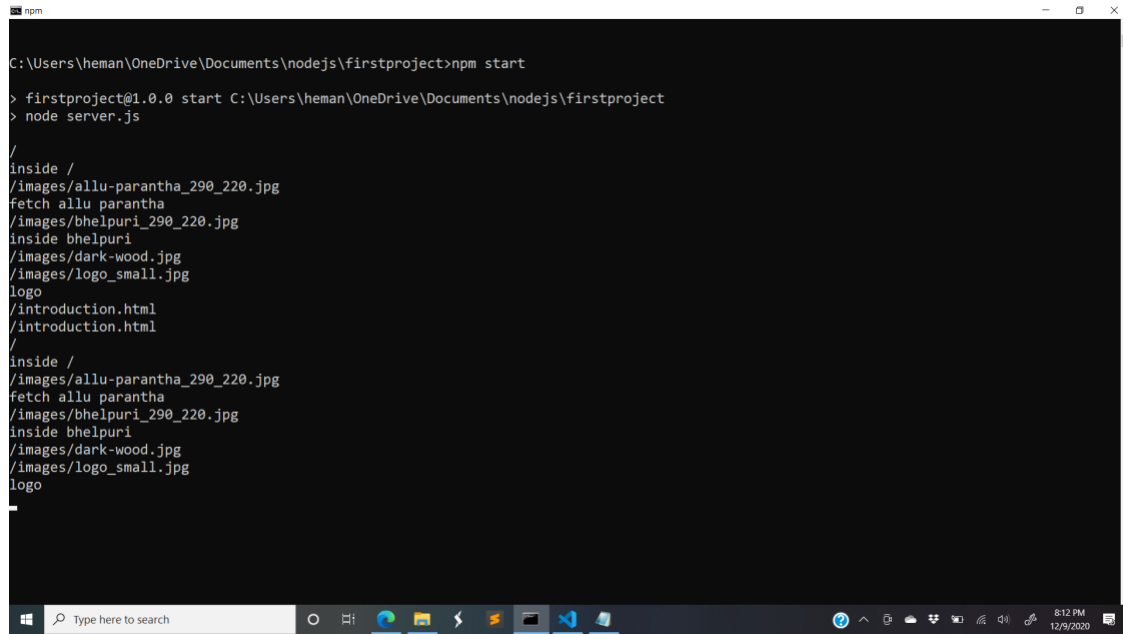
This module allows us to register for a course using our name and email and provides the confirmation of the registration to the client. The server stores the client's information in a list of course registrations the list can be viewed from the main page through a link by the website developer.

### TypeScript functionality used:

1. Type checking for all the variables
2. Classes to store data such as course registration list
3. Course registration array type object
4. Arrow functions to handle get and post request
5. Default parameters in course registration class for money paid = false







```
C:\Users\heman\OneDrive\Documents\nodejs\firstproject>npm start

> firstproject@1.0.0 start C:\Users\heman\OneDrive\Documents\nodejs\firstproject
> node server.js

/
inside /
/images/allu-parantha_290_220.jpg
fetch allu parantha
/images/bhelpuri_290_220.jpg
inside bhelpuri
/images/dark-wood.jpg
/images/logo_small.jpg
logo
/introduction.html
/introduction.html
/
inside /
/images/allu-parantha_290_220.jpg
fetch allu parantha
/images/bhelpuri_290_220.jpg
inside bhelpuri
/images/dark-wood.jpg
/images/logo_small.jpg
logo
```