

# INTERNSHIP REPORT

NAME : JOSEPH ASWATH . J

STARTING DATE : 6<sup>th</sup> December 2021      ACTIVE WORKING DAYS :  
DURATION : 2 months ( tentative )

SOURCE CODE: [git hub account](https://github.com/joseph-aswath) (https://github.com/joseph-aswath)

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1<sup>st</sup> Task assigned : Build LOGIN-system with angular framework & node as server

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6<sup>th</sup> December 2021 : machine was not yet configured & made available

10<sup>th</sup> December 2021 ( Friday ) : on leave / absent due to health related reasons

11<sup>th</sup> December & 12<sup>th</sup> December : Saturday & Sunday (Holiday)

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as of 14<sup>th</sup> December 2021: Finished the front end of the LOGIN system using  
Angular(13.0.4) by implementing different components & by  
incorporating a routing mechanism to navigate between  
various views.

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## LOGIN SYSTEM

### REGISTRATION PAGE

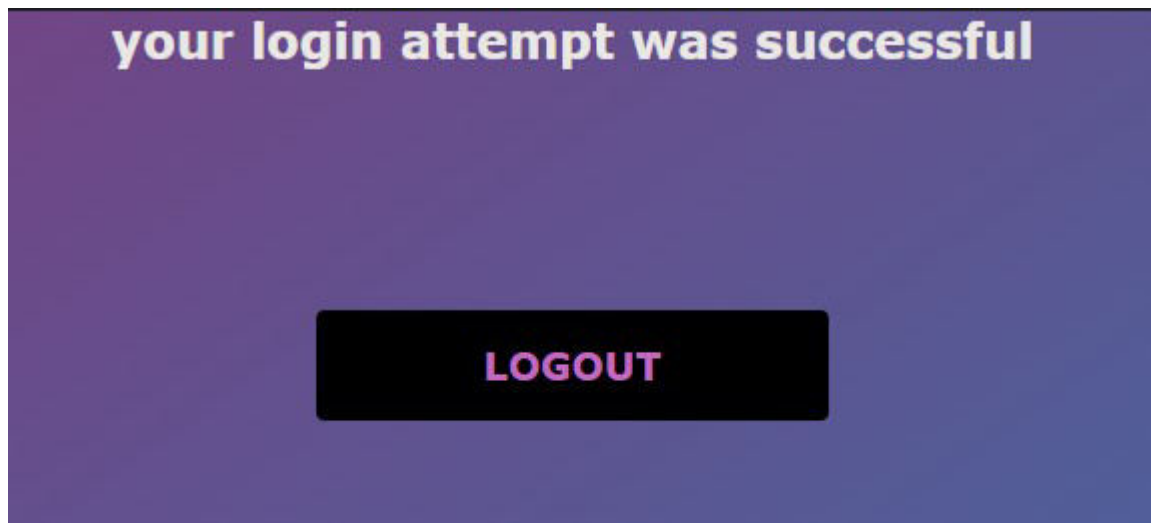
USER NAME:

PASSWORD:

CONFIRM PASSWORD:

**SUBMIT**

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as of 15<sup>th</sup> December 2021:going through the process of building a Node(v16.3.1) & ES6 based command line Sign-in & Registration mechanism. I hope that the The same infrastructure will be integrated into the angular based front end & packaged as an API( if necessary) upon completion. & I received instructions from my assigned mentor(Mr. MANOJ KUMAR sir) to make

framework/module/API based on Node & package it in such a way that it can be integrated into many other applications

Snaps from my command line registration & LOGIN app

1) users can now choose their desired option

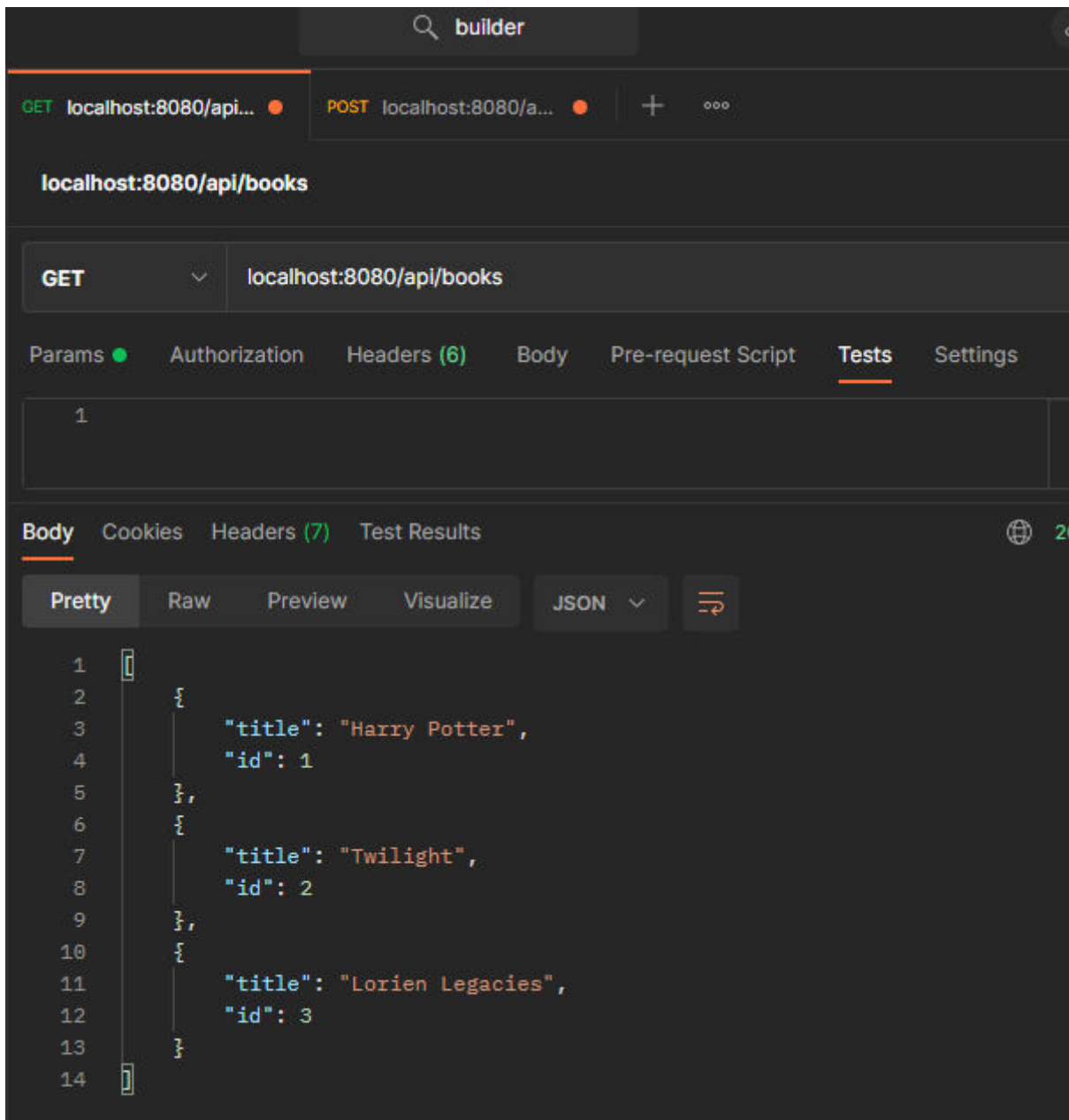
```
C:\Users\josephaswath-v\cli-nodejs>node trial.js
[]
? choose an option
  LOGIN
> REGISTER
```

2) User details i.e name & password is stored in a dedicated JSON file

3) User can now register their details & the changes are being Successfully reflected in the JSON file of our concern

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as of 16<sup>th</sup> December 2021 : learned how to use POSTMAN tool for testing back end Node API (application programming interface) , using express & node a book list manager API was made and the end points of the same was tested using the POSTMAN tool , refer snap shot



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as of 17<sup>th</sup> December 2021 :successfully finished my CLI- LOGIN system project that I

started on 15<sup>th</sup> of December , all intended aspects of the project is functioning as expected , additional flair has been added to the project with the aid of ASCII art , refer screen shots below

```
Administrator: Command Prompt - node authenticate.js
C:\Users\josephaswath-v\cli-nodejs>node authenticate.js
? options: LOGTM
emirates"}, {"name": "joseph", "pw": "8080"}, null, {"name": "aswath", "pw": "8080"}]]
reg
As
SUCCESS!
```

you can see from the image above , the user details are stored in the form of objects i.e key-value pairs and they are stored sequentially in an array on which search operations are performed .

eventually the user profile is found & the credentials are validated through conditional statements & the appropriated results are displayed in the terminal .

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18<sup>th</sup> December 2021 : SATURDAY

19<sup>th</sup> December 2021 : SUNDAY

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as of 20<sup>th</sup> December 2021 : received 4 questions and a task from Mr.Nelson sir.

[Q1] discuss the advantages of using express framework over

Purely relying on node run time environment alone.

[Q2] discuss about passing inputs in GET method

[Q3] discuss about POST method , it's purpose & the

Specifics of sending information via this HTTP method

[Q4] list a few important 3<sup>rd</sup> party modules that is used along

With express frequently & the purpose of these modules

[TASK] => using the POST HTTP method create a new

Function/method to update the books

List object in the previously cloned/downloaded  
book list manager API. & demonstrate the intended  
Results on POST MAN API testing tool

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as of 21<sup>st</sup> December 2021: going through the process of modifying the angular front end  
NODE back end in such a way that they can be integrated  
Together in the same project , I am going to be relying  
On proxy to connect the angular front end & node back end  
That runs on two DIFFERENT ports instead of one

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24<sup>th</sup> December 2021 (FRIDAY) : ABSENT - had to participate in preparations for  
Christmas event

25<sup>th</sup> December 2021 (SATURDAY) : HOLIDAY

26<sup>th</sup> December 2021 (SUNDAY ) : HOLIDAY

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as of 27<sup>th</sup> December 2021: successfully uploaded my first framework meant for  
node run time environment as an NPM module in the public  
registry , it can be located by searching for  
“@joseph\_aswath/sample-framework” in the official NPM  
website.

**npm**  Search

**@joseph\_aswath/sample-framework**  
a sample version of node framework , meant for internship project 1.0.0

1.0.0 • Public • Published a few seconds ago

[Readme](#) [Explore](#) [0 Dependencies](#) [0 Dependents](#) [1 Versions](#) [Settings](#)

This package does not have a README. [Add a README](#) to your package so that users know how to get started.

**Keywords**

JJA

**Install**

```
> npm i @joseph_aswath/sample-framework
```

Version	License
1.0.0	ISC

Unpacked Size	Total Files
579 B	2

```
C:\Users\josephaswath-v\test-framework>npm install @joseph_aswath/sample-framework
added 1 package, and audited 2 packages in 4s
found 0 vulnerabilities

C:\Users\josephaswath-v\test-framework>

C:\Users\josephaswath-v\test-framework>

C:\Users\josephaswath-v\test-framework>npm i @joseph_aswath/sample-framework
up to date, audited 2 packages in 916ms
found 0 vulnerabilities
```

Now , the module can be installed into ANY node.js project through the terminal or command prompt for that matter . & can be used in the project using the following line of code/script

```
const tester = require('@joseph_aswath/sample-framework');
```

ALSO MADE MAJOR UPDATE FOR THE SAMPLE-FRAMEWORK MODULE

## Version History

Version	Downloads (Last 7 Days)	Published
2.0.0	0	2 minutes ago
1.0.0	0	3 hours ago

```
npm notice package size: 886 B
npm notice unpacked size: 1.9 kB
npm notice shasum: 4de0b768a631e529daa5609628eb3745f63506d8
npm notice integrity: sha512-F1gvkZI6RFxZ/[...]S7OnZTX+HshjQ==
npm notice total files: 2
npm notice
npm notice Publishing to https://registry.npmjs.org/
+ @joseph_aswath/sample-framework@2.0.0
```

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The new major update can allow users to capitalize the first alphabet in each word in a sentence of their choice ,the logic is seen below:



```

/* For loops instead of for each */
function jozzie(sentence){
  var words = sentence.split(" ");
  console.log("\n","array of words:",words,"\n");

  let capz = [ ];

  for (var i = 0; i < words.length ; i++) {
    words[i] = words[i].slice(0,1).toUpperCase() + words[i].slice(1);
    capz.push(words[i]);
  }

  console.log("\n","capitalized list:",capz,"\n");
  var unity = capz.join(" ");
  console.log("\n","final sentence:",unity,"\n");

  return unity;
}

```

TEST RESULT :

If you  
notice  
the end  
result  
"final

```

PS C:\Users\josephaswath-v\sample-framework\test> node script.js
testing this sentence

array of words: [ 'testing', 'this', 'sentence' ]

capitalized list: [ 'Testing', 'This', 'Sentence' ]

final sentence: Testing This Sentence

```

sentence.” then you can see that the first alphabet of each word in the sentence has been capitalized , therefore the module works as intended

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28<sup>th</sup> December 2021 : ABSENT (felt sick after taking my 2<sup>nd</sup> dose of CoviShield vaccine on Sunday 26<sup>th</sup> December although I was able to make it to the office on Monday(27<sup>th</sup> ) , the side effects became more severe on 28<sup>th</sup> )

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as of 29<sup>th</sup> December 20221 : team leader Mr.Manoj Kumar sir has instructed me to look into data base connections with node back end & also the Concept of POOLS, PARAMETERS in technologies such as POST-GRE-SQL & ORACLE DB either of which are Relational data bases.

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