

## Report 2-

Currently we have made these files:-

s

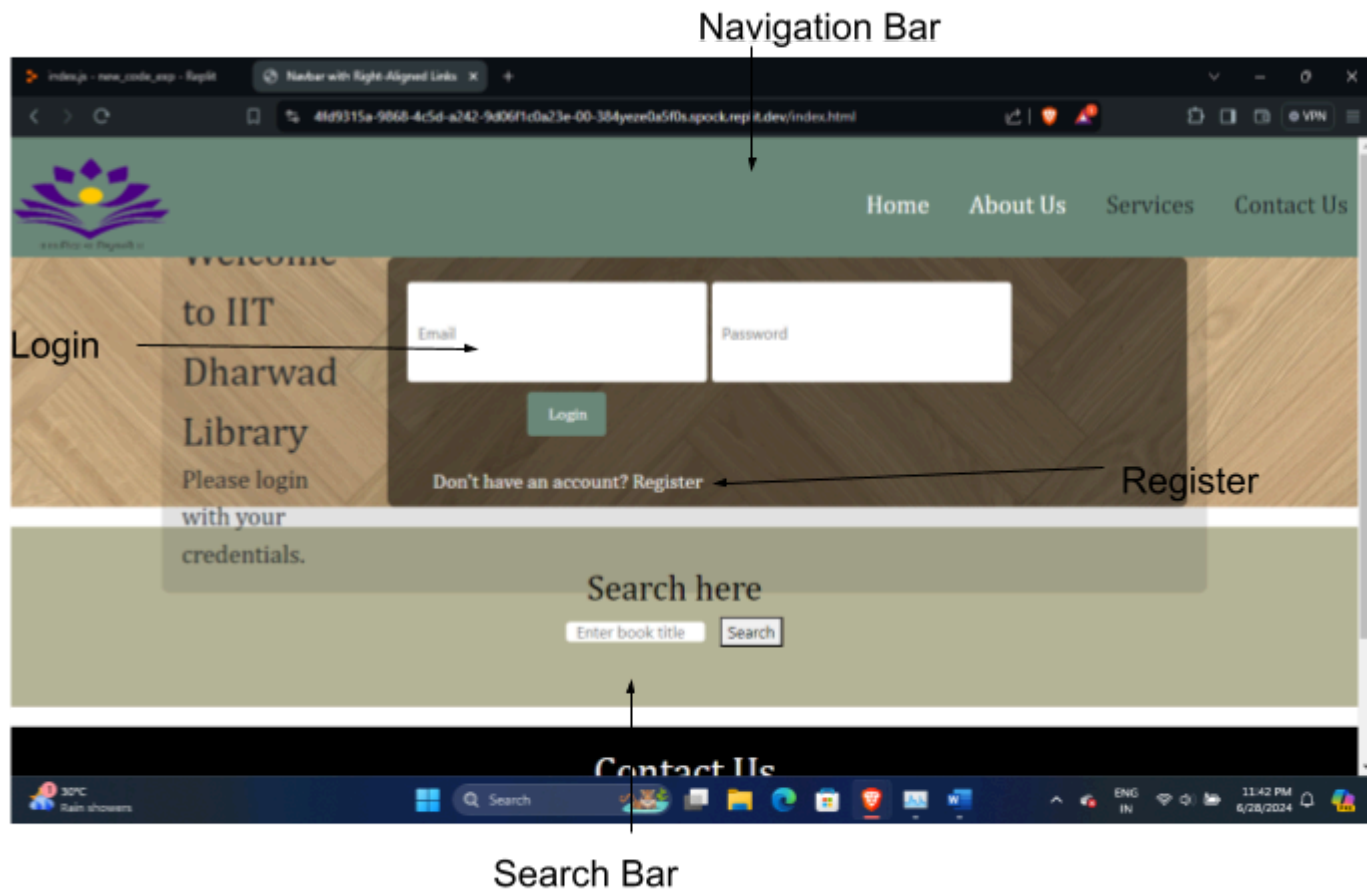
- **about.html** -web page where the info of our institute is present
- **index.html** -home page which opens when run the server
- **profile.html** - after you login you are directed to this page which contains all you info and displays it
- **register.html** - page you are directed to when you click on the register button
- **search\_profile.html** - page you are directed to after you search for a book after logging in
- **stylef.css**- contains the style for the web pages
- **search.html**- page you are directed to if you search for a book in homepage
- **index.js**- our main javascript file
- **UpdatedDatasetSOI.json**- dataset provided to us
- **users.json**- file where we store user's data

## Project Structure:-

```
project-root/
├── .config
├── public/
│   ├── about.html
│   ├── index.html
│   ├── profile.html
│   ├── register.html
│   ├── search_profile.html
│   ├── stylef.css
│   └── search.html
├── users.json
├── UpdatedDatasetSOI.json
├── index.js
├── package.json
└── .gitignore
```

We have studied the required stuff for web development and have implemented some software

When you enter the our Library Management website you are welcomed with this page



The CSS is still a bit messy but that can be dealt with later.

The Navigation Bar has 4 options

- **Home**- takes you to home page which is this one only
- **About Us**- takes you to About us page
- **Services**- takes you to services page
- **Contact Us**- takes you to contact us pages

**PS**- services and contact us are still not functional, but we just have to add a basic html and css code for this which shall be dealt with later.

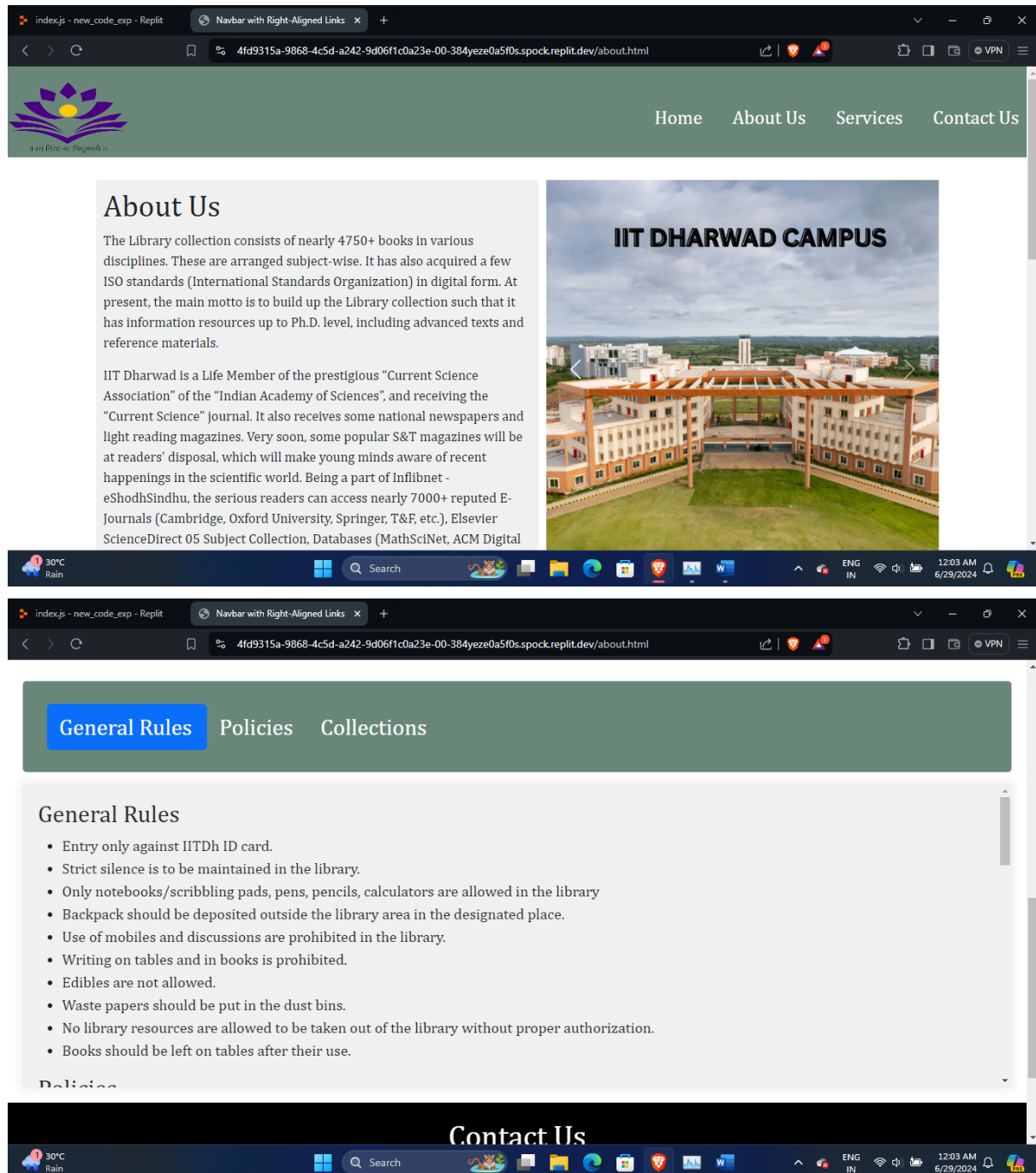
Below the nav bar you will notice a login section. Here the user has to enter his/her email id and password. If the entered email and password matches our database( user info is stored in users.json) then the user is directed to the profile page where all the data of the user will be displayed.

If the username doest match the user has a chance to register by clicking on the register button(as plotted in the picture above). By clicking on it the user is directed to the register page where he/she will be asked to enter their personal info which will be added to our database.

Below it is a search section where the user can search for any book. If a book is present in the database info about it shall be shown else a message book not found will appear. Users need not enter the full name, a part of it will suffice. Like if you want the book “Computational Physics” you need not type it full but typing just physics will be enough or just type a p if you are that lazy it will show all the books with p in their title.

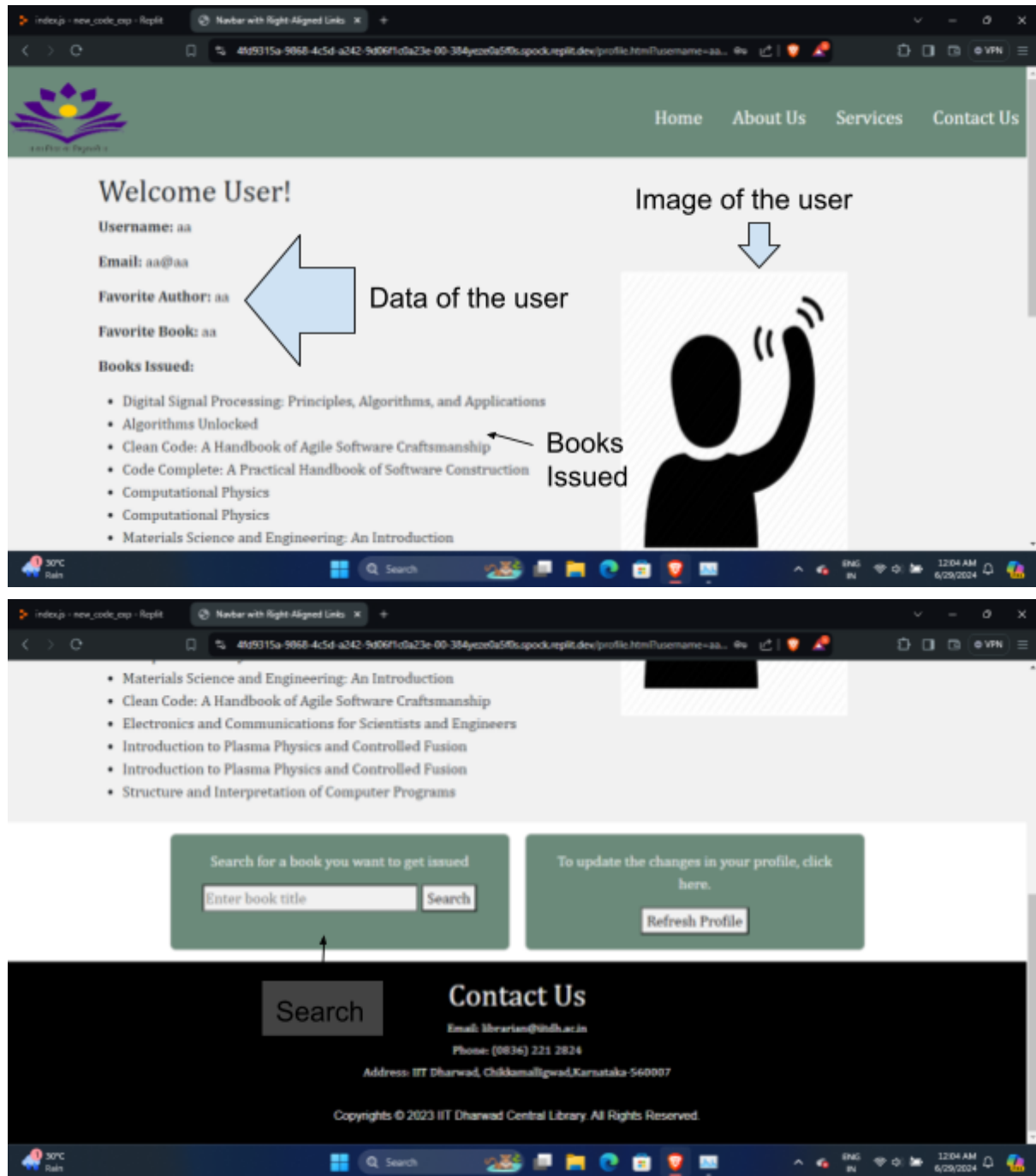
## About Us page

This is how it looks-



Nothing to talk about it

After your email id and password matches it opens this



I know, I know you must be thinking why are there 2 search bars one on the home page and one here?

The answer is cuz we are dumb. The search on the home takes to you a page search.html which looks like this

indexjs - new\_code\_exp - Replit    Navbar with Right-Aligned Links    +

4fd9315a-9868-4c5d-a242-9d06f1c0a23e-00-384yeze0a5f0s.spock.replit.dev/search.html?title=physics

Home    About Us    Services    Contact Us

## Search Results

**Title:** Modern Physics for Scientists and Engineers

**Description:** Introduction to the concepts and principles of modern physics.

**Author:** Stephen T. Thornton, Andrew Rex

**Genre:** Modern Physics

**Department:** Engineering Physics

**Count:** 11

**Vendor:** Kitab Mahal

**Vendor ID:** 1004

**Title:** Solid State Physics

**Description:** Fundamental concepts and applications of solid state physics.

**Author:** Neil W. Ashcroft, N. David Mermin

**Genre:** Solid State Physics

**Department:** Engineering Physics

**Count:** 10

**Vendor:** Sterling Book House

**Vendor ID:** 1005

**Title:** Statistical Physics

**Description:** Comprehensive introduction to statistical mechanics and its applications.

**Author:** R. K. Pathria, Paul D. Beale

**Genre:** Statistical Physics

**Department:** Engineering Physics

**Count:** 14

**Vendor:** Amazon India

**Vendor ID:** 1006

**Title:** Nuclear Physics: Principles and Applications

**Description:** Introduction to nuclear physics principles and their practical applications.

**Author:** John Lilley

**Genre:** Nuclear Physics

**Department:** Engineering Physics

**Count:** 10

**Vendor:** World Book Store

**Vendor ID:** 1007

**Title:** The Physics of Solids

**Description:** Comprehensive guide to the physics and properties of solid materials.

**Author:** Richard Turton

**Genre:** Solid State Physics

**Department:** Engineering Physics

**Count:** 9

**Vendor:** Kitab Mahal

**Vendor ID:** 1004

**Publisher:** JarperCollins Publishers

**Publisher ID:** 123456

**Title:** Introduction to Plasma Physics and Controlled Fusion

**Description:** Fundamentals of plasma physics and controlled nuclear fusion.

**Author:** Francis F. Chen

**Genre:** Plasma Physics

**Department:** Engineering Physics

**Count:** 11

**Vendor:** Sterling Book House

**Vendor ID:** 1005

**Publisher:** Loxpord University Press

**Publisher ID:** 789012

**Title:** An Introduction to Thermal Physics

**Description:** Fundamental principles and applications of thermal physics.

**Author:** Daniel V. Schroeder

**Genre:** Thermal Physics

**Department:** Engineering Physics

**Count:** 11

**Vendor:** Kitab Mahal

**Vendor ID:** 1004

**Publisher:** Dearson Education

**Publisher ID:** 567890

**Title:** Introduction to Solid State Physics

**Description:** Comprehensive introduction to the principles of solid state physics.

**Author:** Charles Kittel

**Genre:** Solid State Physics

**Department:** Engineering Physics

**Count:** 9

**Vendor:** Sterling Book House

**Vendor ID:** 1005

**Publisher:** Loxpord University Press

**Publisher ID:** 789012

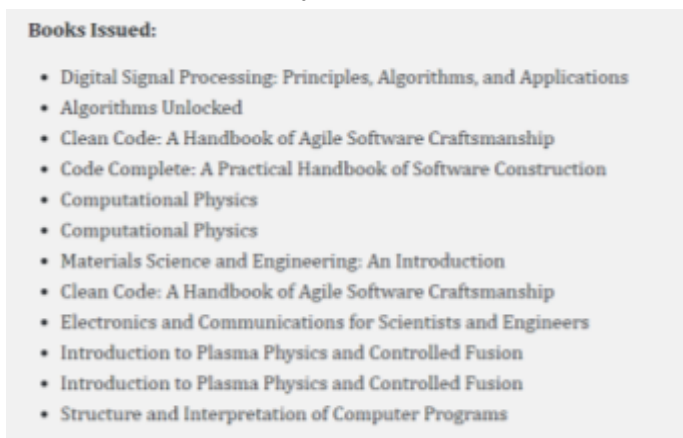
See, all I entered was physics and I got so many options!

Where as when you enter physics in profile page you get

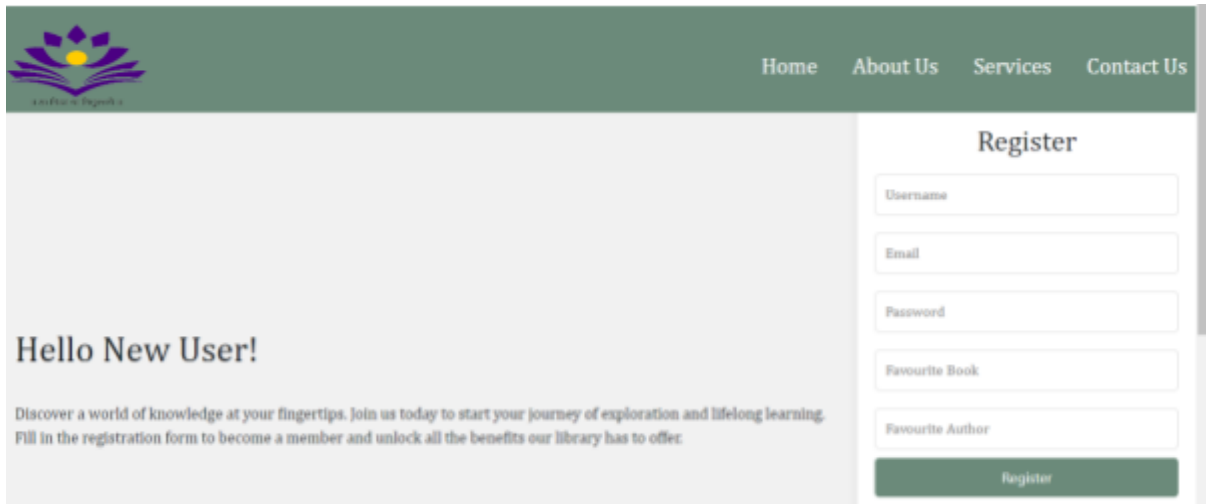


A WHOLE NEW BUTTON- add to cart ✨

Now if you press add to cart the count of the book will decrease and will be added to books\_issued token in you users database that is will be visible here



## Register Page



**Register**

Username

Email

Password

Favourite Book

Favourite Author

Register

**Hello New User!**

Discover a world of knowledge at your fingertips. Join us today to start your journey of exploration and lifelong learning. Fill in the registration form to become a member and unlock all the benefits our library has to offer.

Here you will enter your personal info hehehehehe, we are going to add an option of add image so that the user can enter an image if he/she wants, which will be displayed once the user log in.

So till now we are able to get a user to register, log the user in if the credentials matches, once the credentials matches info about the books issued by the user is displayed, and he can add more books to that list, also you can click on about us page(the most imp one to know about us ✨).

We still need to add an option for the user to return the book and recommendation and other stuff is left.

By now we understand and are able to implement frontend, backend and database management. The design part is to be done a bit better and some features are still to be added.

All the files have been uploaded in the repo and how to use them is written again in a readme file.