

Web Technologies

Software Requirements Specification (SRS) Documents

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Project Topic :- Library Management System

Technologies Used

1. Frontend Tech

→ HTML

All the Basic Component are created by HTML , The Version of HTML used is HTML5 , Semantic Tags are used like footer , nav , label , input etc

→ CSS

All the Styling Portion is Done by CSS many properties are used along the project , The Version of CSS Used is CSS3

Some special CSS feature are

1. Responsive Design
2. Hovering Effect

→ JavaScript

Project contains a lot used of JavaScript feature like DOM Manipulation , Form Validation are done by JS

→ Angular JS

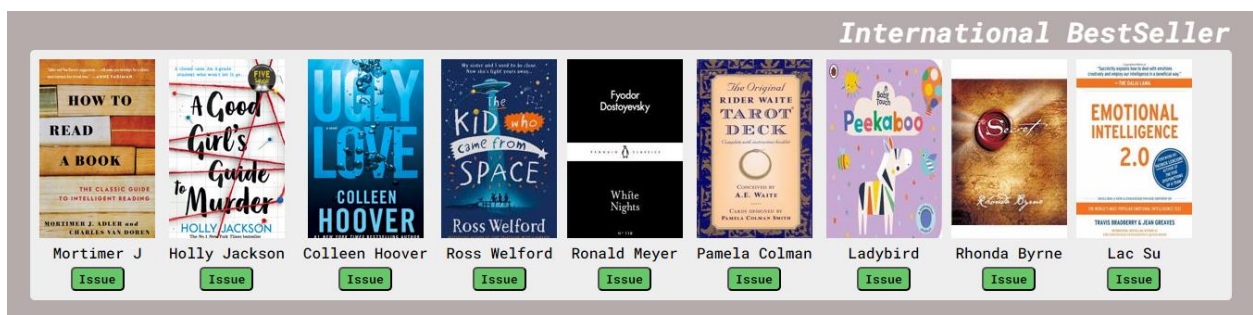
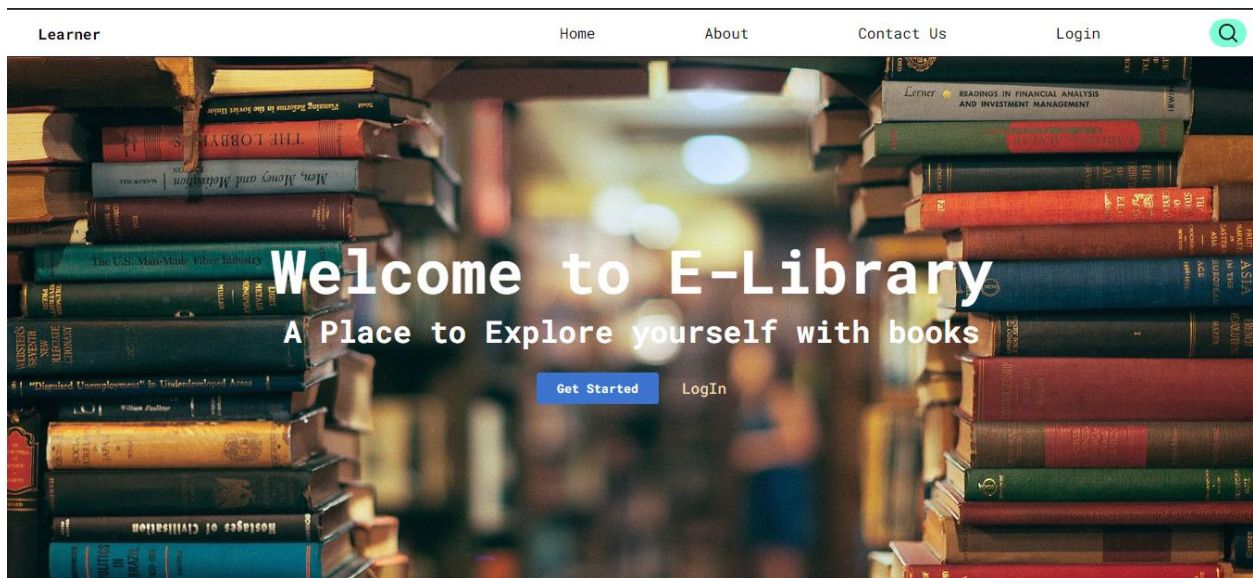
Angular is Used in the Login Form where the user get a greet when he/she write his/her name

2. Backend Tech

→ Node JS

Node is Used to create a basic server and two module are used which are “fs” Module and “http” module , fs module is used to open file and http module is used to create a server to handle request and send response accordingly

Preview of Some Portion of Website



Mosted Readed





Name

Name

Email

Email

Join

Learner

Explore

Follow

Join Community

GitHub

About Us

Instagram

Contact Us

Twitter

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Sign In Page

Learner

Home

About

Contact Us



Sign In

Hey!

Email

Email/Username

Password

Password

Not remember your password! [Forget Password](#)

Don't have a Account? [SignUp](#)

Login

Sign Up Page



Sign Up

Name

Username

Email

Password

Already have a Account? [SignIn](#)

[Sign Up](#)

System Requirement

1. Functional Requirement

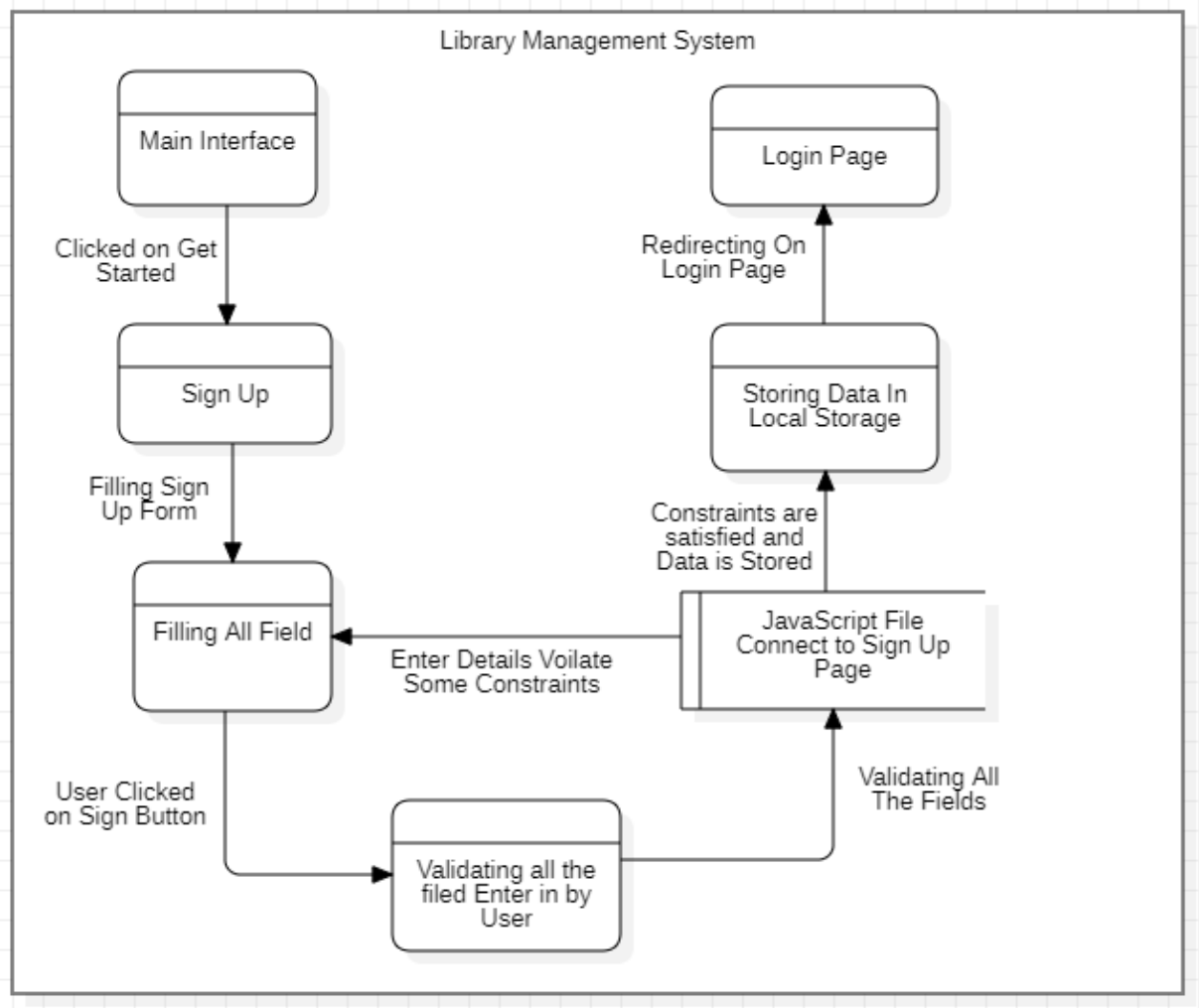
- Functional Requirement are those requirement for which the user is using any application or program all the basic requirement are mention below
- The Interface should be User Friendly
- The Website should provide different feature
- The Website have different section like novel , best seller books etc
- The Website should provide a contact details to provide feedback

2. Non Functional Requirement

- The Other Requirement like performance , security and other feature for which a normal user can't do anything comes under Non Functional Requirement
- The Website should provide a secure environment for a user to perform task like issuing book
- The Website response time should be less so that the User Experience can be improved
- The Website should provide a tutorial guide for any new feature

Data Flow Diagram

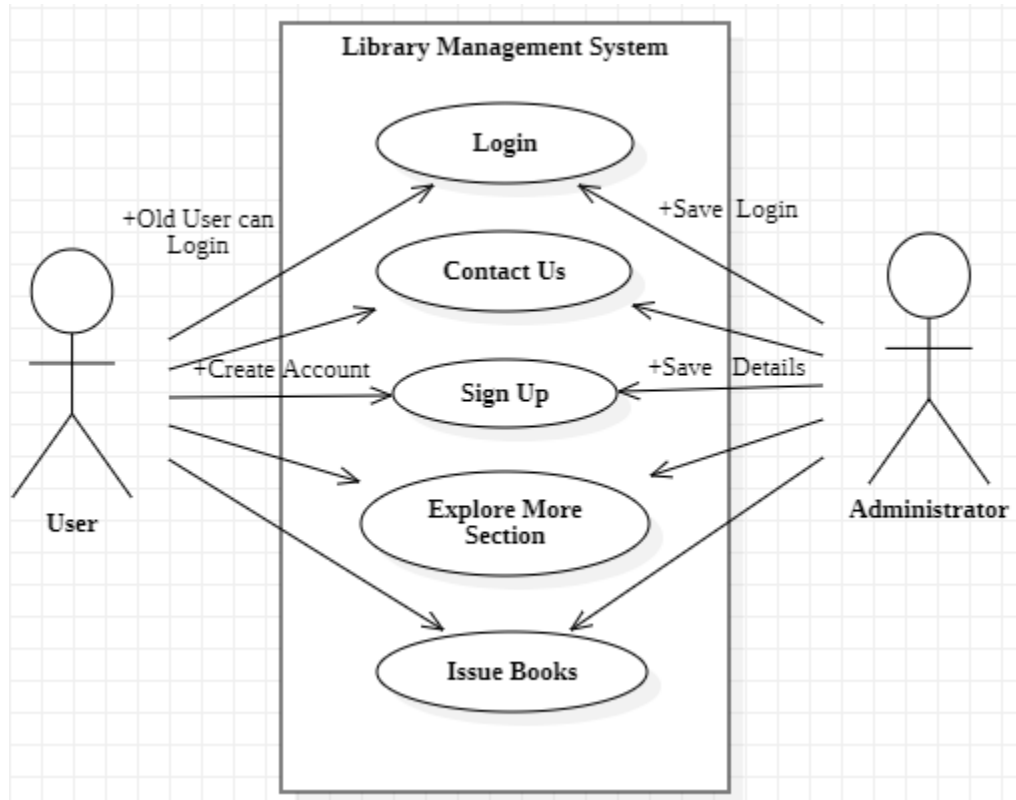
- *Creating DFD of Some Section Like Sign Up Page*



This is the DFD Diagram for Sign up Page Showing all the process happen During the creation of New User Account , Like that all other module work as this diagram , In the Login Page the flow of data is

1. User fill the Field and Click on the Log In
2. The user field are check in the JavaScript File connected to Login Page
3. If any Constraints are violated then a message is printed otherwise
4. The user field are checked with the data present in local storage like username and password
5. If the user is authentical user then user is logged In Otherwise a Error Message is Displayed

Use Case Diagram



For Visual Description you can visit the readme file at

https://github.com/adityayadv03/Library_Management_System/blob/main/readme.md