SOFTWARE DEVELOPMENT PRATICE

AAAG MART ONLINE BOOK SHOPPING-ECOMMERCE

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OBJECTIVE:

ONLINE SHOPPING is an Online application for purchasing the new books.The audience of SRS will be client Who wants Software to the built & the Technical Professional Developing Software.

User of system:

1. ADMIN
2. USER

Functional Requirement:

- Build an Application that people access & purchase the ordered books.
- The Application have Signup, Login, Profile, Account, Order Histroy
- The page should have provision to maintain Database.

Books Categories:

1. HISTORIC
2. SCIENTIFIC
3. NOVELS
4. SELF DEVELOPMENT
5. NEET BOOKS
6. JEE BOOKS
7. APTITUDE BOOKS

- An Integrated platform required for admin and people
- Administration module to include option for adding modifying people information.
- While the above one are basic functional feature expected the below one can be nice to have add on feature.
- Filter for showing book price range
- Filter for showing various country auithour
- Two step verification for sign in.

Output /post condition :

- Records the order purchase and returns of books.
- Standlone application/delayed in an app container.

Non functional argument

Security:

- App platform-username/password
- Based credential
- Sensitive data has to categorized and stored in a secure manner
- Secure connection for transmission of any data.

performance:

- Peak load performance
- E commerce _<3sec
- Admin application <2sec
- Non peak load performance
- E commerce <2sec
- Admin application <2sec

Availability:

- 99.99% available

Standard features:

- Scalabity
- Maintainability
- Usuability
- Availability
- Failover

Cloud:

The solutions should be made cloud ready and should have a minimum impact when moving away to cloud infrastructure.

Browser compatible:

All latest browser

Technology stack:

Front end:

Javascript, react js

Material design:

Html/css

Backend :

C++ and java

Database:

Mysq1

Application assumption:

- Login page is appeared entered to the application
- If the user go to sign up directly it should navigate to first login page
- If not login it shoul not navigate to any other pages
- If the user logout navigate to login page
- Admin must store user name ,dob in the data base
- Client have use admin dashboard using admin user name and password

Validation:

- Email validation is performed
- Email password validation is performed.

Project task :

API ENDPOINT:

USER:

ACTION URL METHOD RESPONSE

Login/Login Post true/false

Signup/sign Up Post true/false

Book categories-home/home Get array of list

Price Filter-Home /home get array of list

Order history{id}post of ordered

Admin:

Action URL Method response:

Book category/admin get array of book categories

Pricr filter/admin get array of price filter

Order history /admin/order history{id}Post order history

frontEnd:
Customer:

1. Auth:The customer can authenticate login& signup credential.
2. Register: The new customer has option to sign up by providing their basic details .

(a).IDS:
- EMAIL
- USER NAME
- PASSWORD
- RE-TYPE PASSWORD
- REGISTER BUTTON
- LOGIN BOX

(b).LOGIN:

The Existing customer can log in using registered email.

IDS:

- EMAIL
- PASSWORD
- LOGIN BUTTON
- REGISTER LINK
- LOGIN BOX

HOMEPAGE:

(a).IDS:

- USER NAV BAR
- BOOK CATEGORIES
- PRICE FILTER
- PURCHASE HISTORY
- LOGOUT BUTTON

Admin:

Admin dashboard:

A dashboard where the list of books is displayed on the admin side.

Backend:

MODEL LAYER:

- Email: string
- Password: string
- User name: string
- Mobile no: integer

Login Model:

Thus class contains the email & password of the user.

(a).Attributes:

- Email:String
- Password:string

Book categories:

This contains the categories of books

(a).Attributes

- Historic :character
- Scientific:character
- Novel:character

Account:

Attributes:

- Address
- Payment model
- Purchase history

Controller Layer:

1.Signup controller:

This class control the user signup.

(a).Method:

This saveuser(user model user).This method help to store user in database &return true or false based on database.

- Login controller:This class control the user login

(a) Method :

- Checkuser(Login model data)This method help the user to signup for application &must return true or false.