SANSKRITATVA

Submitted to

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Index

Introduction

People in our generation are passive consumers of content. That means the content is presented to us every day by various social networks, news curators apps, etc. Whereas Sanskrit related content is not available in the 'ready to serve' format like quotes, posts or articles. It is mostly available in old physical books or scanned digital files.

The 'Tatva' in SanskritTatva stands for 'tiny part'; at-list people could start with tiny efforts to know the tiny part of Sanskrit.

Purpose

Our objective was to handpick relevant *Subhashitas* and *Shlokas* from various Sanskrit books, translate them in English and Hindi and finally decorate them using beautiful visual graphics that would draw attention of audience to the Sanskrit.

Scope:

- **Scope Statement :**

    This website is solely dedicated to fonder of the Sanskrit language, where one can get their hands on interesting selective articles in Sanskrit(translated in the English) as well as cool products-boosting the Sanskrit spirit!

- **Deliverable:**
    - Authentication module
    - View products module

- View post/article
- Cart module
- Order/invoice module

- **Out of scope**
    - Online Payment gateway
    - Comment/like module

- **Milestone**
    - Adding users and creating database for products
    - Post/article and view module
    - Cart, orders/invoice module

- **Assumptions**
    - Registered device has access to the internet
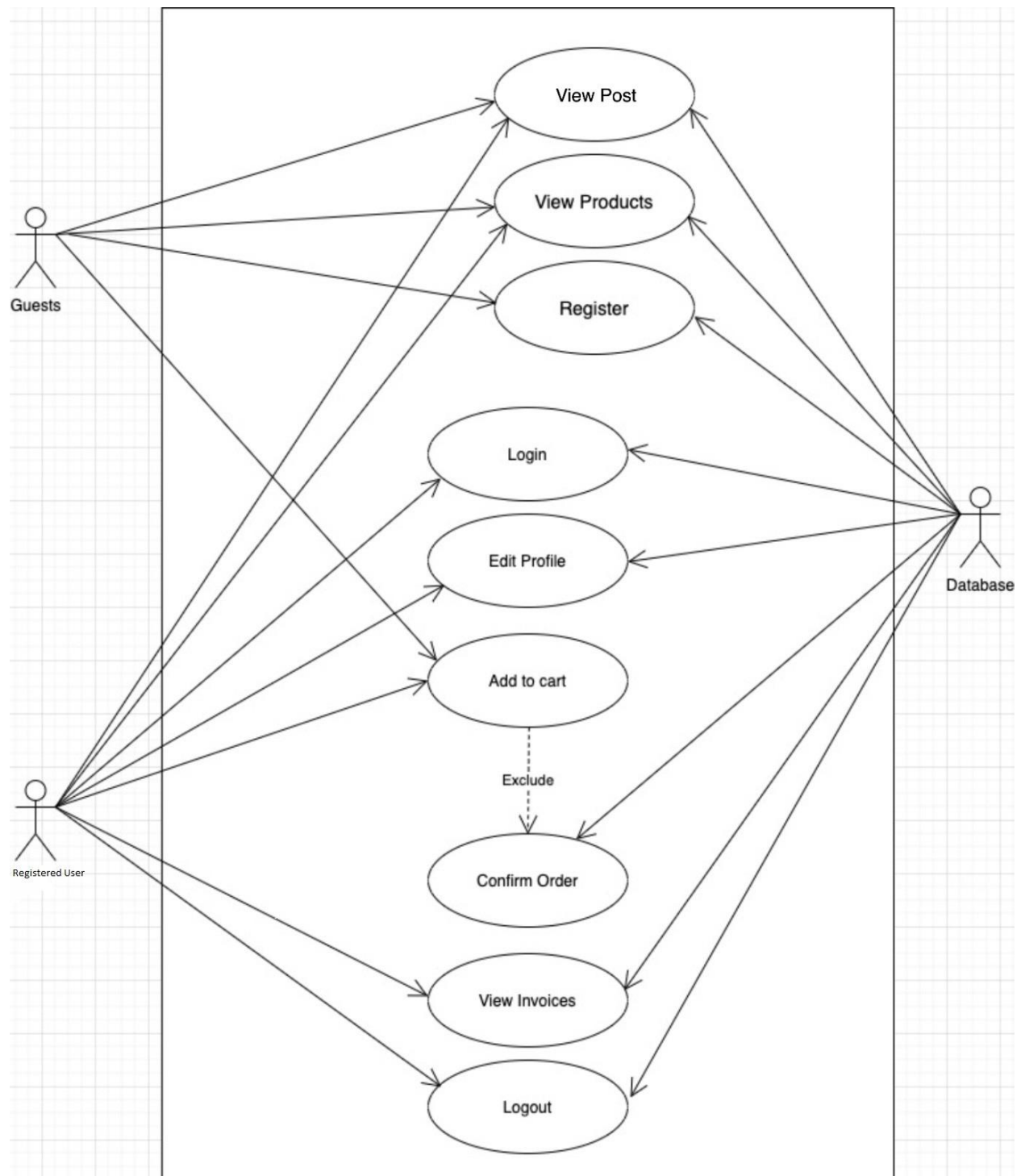   - User can read and understand English

Functional requirement

Requirement Id	Requirement	Comment
FR01	Guest users should allow to view products and posts without registration	So that they can easily surf through website
FR02	User must sign up So that he can purchase the products and like the post	To keep a track of their activities
FR03	Signup email should be in correct format	To add more security to the user account
FR04	Password must be at least 8 to 10 characters with special character and upper lowercase combination	To enhance security
FR05	User should be able to add multiple items into cart	So that they can conveniently buy products of their choice
FR06	User should be able to like multiple posts	To express the agreement/liking

FR07	User can update their profile	If the need to change their personal information

Non function Requirements:

Requirement Id	Requirement Status	Type
NFR01	Application must be accessible 24 hours a day-everyday!	Availability
NFR02	Website should be load within 5 secs	Accessibility
NFR03	Users' personal data must be secured	Confidentiality
NFR04	UI must be easy to understand for all the age groups above 11	Usability
NFR05	Any modification made must be implemented within a week after it is made	Modifiability
NFR06	System must handle heavy traffic efficiently	Scalability
NFR07	Error with the invoice generation must be less then 0.99%	Integrity

Use Case Diagram:

Class diagram:

Invoice

+id: Int
+ invoice_total: Int
+ invoiceDate: date
+ userid: INT

Users

+ Id: INT
+username: varchar
+fname: varchar
+lname: varchar
+emailid: varchar
+shippingAddress: varchar
+billingAddress: varchar
+contactNo: INT
+password: varchar
+bdate: varchar
+viewProduct(): void
+view post/article(): void
+addtoCart(): void
+Editprofile(): void
+viewInvoice(): void

Products

+id: int
+product_name: varchar
+product_auther: varchar
+product_details: varchar
+product_img: varchar
+category_id: Int
+product_price: INT
+addToCart(): void
+confirmOrder(): void
+Viewcart():void
+viewproducts(): void

Invoice_details

+id: Int
+invoice_id: int
+product_id: int
+product_qty: int
+viewInvoiceHistory(): void

Category_products

+id: int
+category_name: varchar
+category_img: varchar

article

+id: int
+Article_title: varchar
+sibs: varchar
+details: varchar
+date: date
+viewArticle(): void

post

+id:Int
+post_image:varchar;
post_title: varchar
+viewPost(): void

User Stories:

- **User Story 01**

Identifier	US01
Module	Registration
Priority	C-Could
Statement	As a guest user, I want to register myself with the website so that I can avail all the features of the website.
Constraints	- The information which is entered to be registered must be valid and appropriate - Entered Email Id must be unique(Not have been previously registered) - Password must have a minimum length of 8 with at least one upper and lowercase

- **User Story 02**

Identifier	US02
Module	Login

Priority	M-Must
Statement	As a registered user, I want to login into my account so that I can purchase any products
Constraints	• The email Id which is being used must be registered priorly • Login must be done with the set of registered unique email id and password

User Story 03

Identifier	US03
Module	View
Priority	C-Could
Statement	As a guest user, I should be allowed to view any post, articles as well as products from the website.
Constraints	• No registration required • Guest user can easily navigate throughout the website

User Story 04

| Identifier	US04
Module	Add to cart
Priority	C-Could
Statement	As a registered user, I want to add more than one products to the cart.
Constraints	- There should be a list of products in the cart where user can see the products which are being added by them - User must be signed in to do this task

User Story 05

Identifier	US05
Module	Invoice
Priority	M-Must

| Statement	As a registered user, I want to purchase the products from my cart.
Constraints	• User must be signed In • The user must agree to PAY as Cash On Delivery Method • The invoice must be generated after a purchase

User Story 06

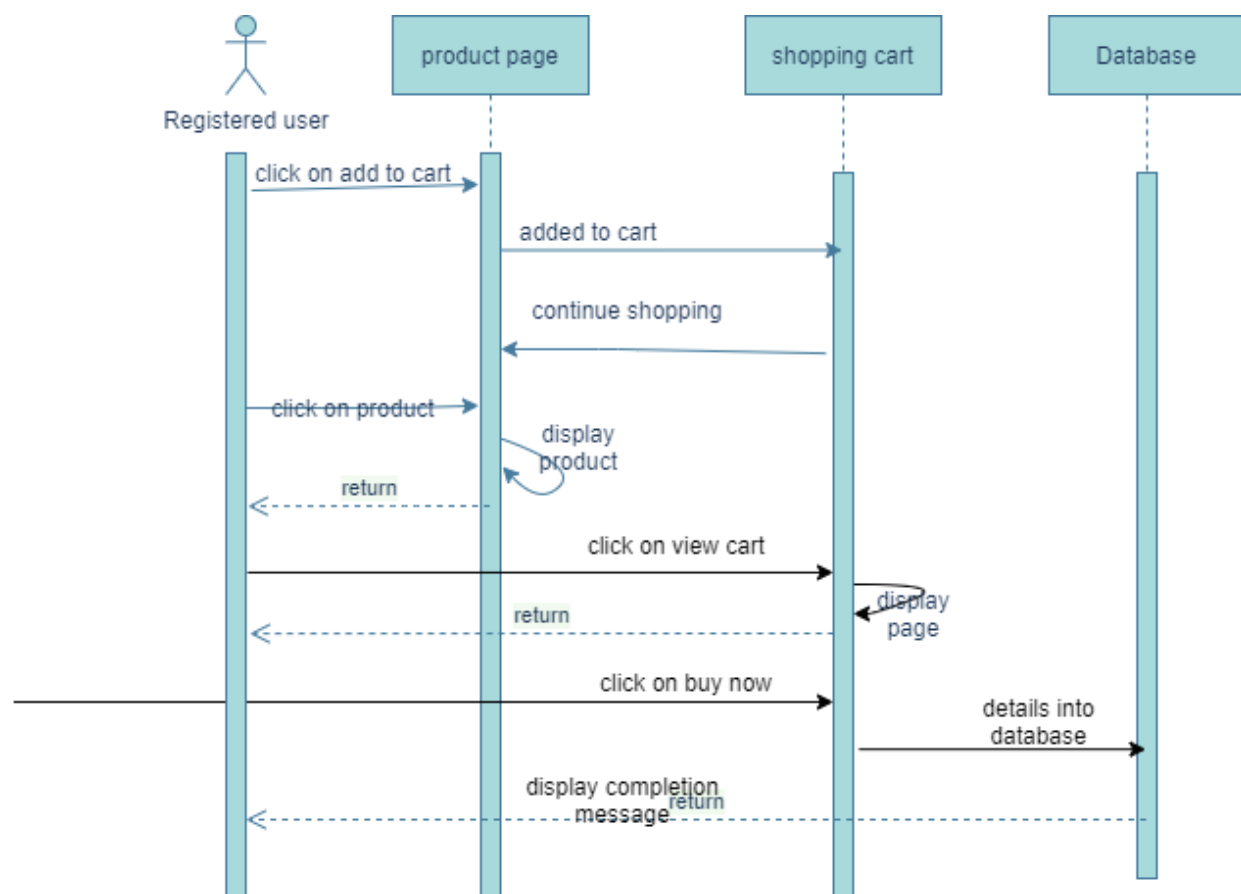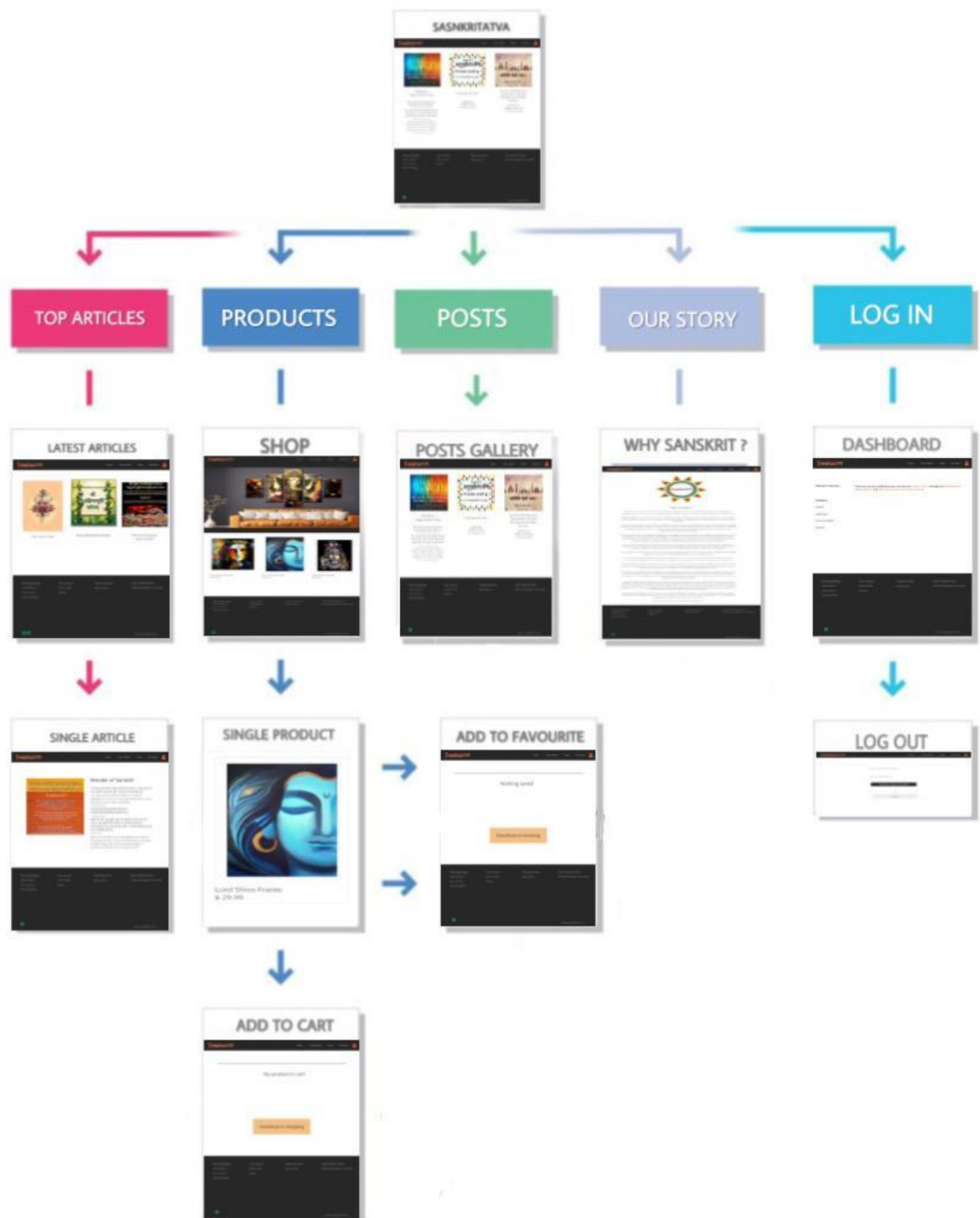| Identifier	US06
Module	Edit Profile
Priority	C-Could
Statement	As a registered user, I want to update my billing as well as a shipping address along with my contact number(Needs to update general profile)
Constraints	• User must be signed in • User must have valid information

ER Diagram
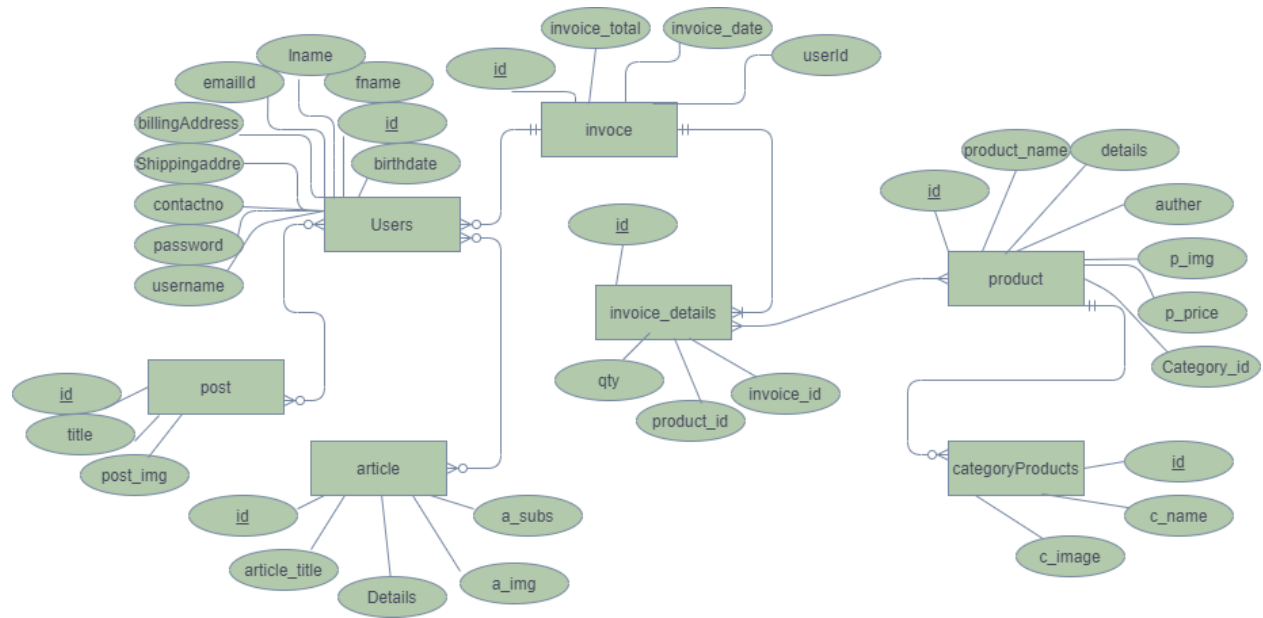
Sequence Diagram(login):
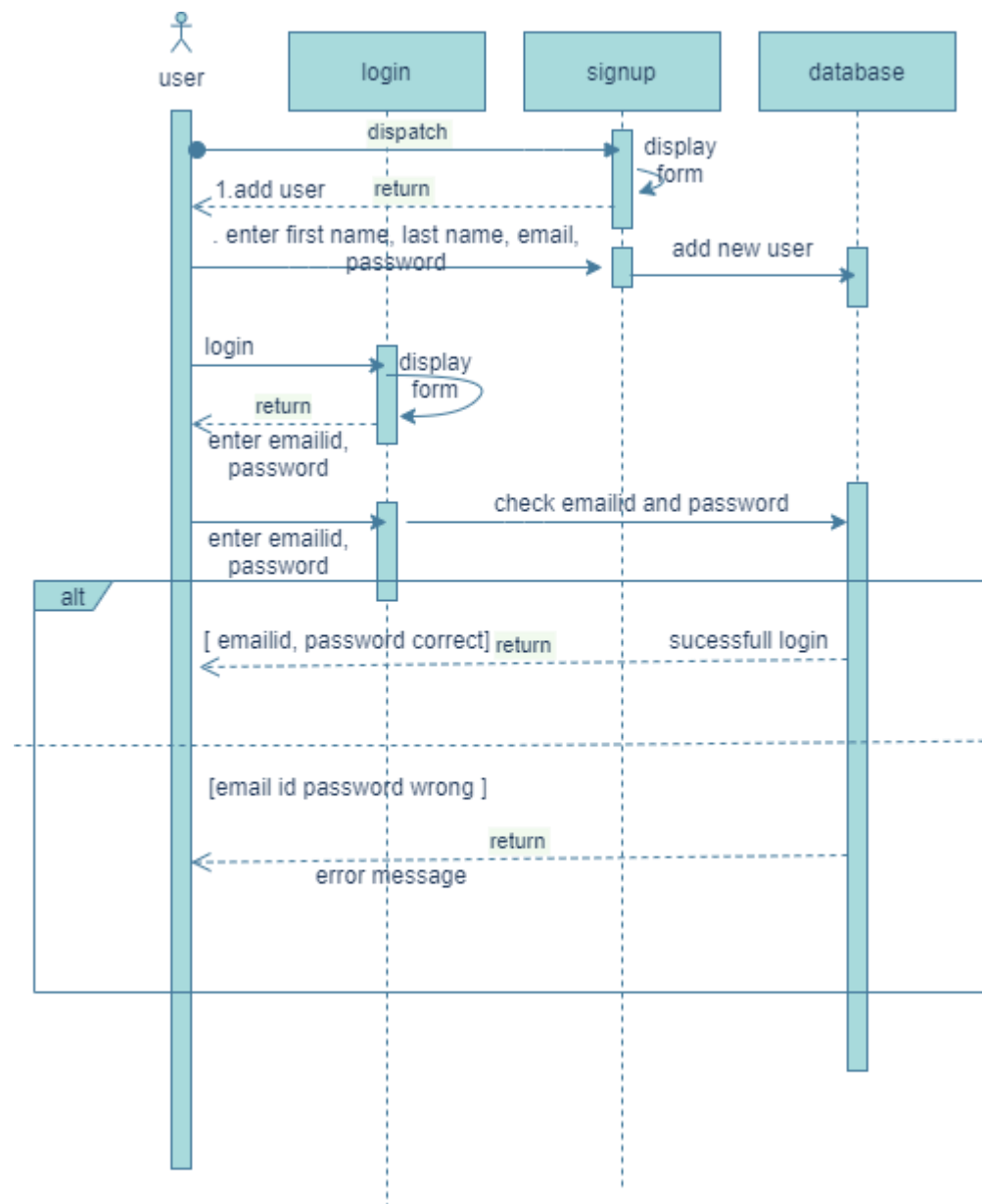
Sequence Diagram(product)

ScreenFlows:

Conclusion:

It was a wonderful learning experience for us while working on this project. This project took us through the various phases of project development and gave us real insight into the world of web application development. The joy of working and the thrill involved while tackling the various problems and challenges gave us a feel of the developers' industry.
Though we did not achieve completely what we have expected we are quiet satisfied with the work has been done by us.
We would like to say in conclusion, the final product is delivered through hard work, determination and enthusiasm.

Github:
https://github.com/helipatel95/Sankritatva.git

References:

https://getbootstrap.com/
https://nodejs.org/en/docs/
https://animate.css/
https://www.w3schools.com/
https://stackoverflow.com/