Veer Narmad South Gujarat University, Surat.

Department of Information and Communication Technology

M.Sc. (Information Technology) Programme

Project Report

8th Semester

M.Sc. (Information Technology)
5 Year Integrated Course

Year 2022 – 2023

VISUAL SURF ENGINE

Guided By :

Dr. Kamlendu Pandey (Internal Guide)

Submitted By :

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Patel Nency (2019008943)

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1. Project Profile

Definition:

This website provides a platform for user to share the images globally with everyone and anyone can use that image for their own benefit.

Basic Information:

Project Title	Visual Surf Engine
Front End Tools	JSF (Java)
Back End Tools	Java
Project Category	Web Based Application
Project Associates	Two
Duration	Three Months
Project Guide	Dr. Kamlendu Pandey
Submitted By	Mr. Harsh Lad, Ms. Nency Patel
Submitted To	Department Of ICT, VNSGU

2. Proposed System

2.2 Objective

- The main objective of the system is that to provide the user-friendly interface to users for sharing the images.
- The system is totally Website based and provides electronically data transportation.
- The easy way to share, delete images in Web application.
- The user can manage his or her public as well as private record with their login credential.
- The new system provide functionality to write own Record and publish it to anyone

2.3 Constraints

2.3.1 H/w Constraints

- Needs Stable internet connection

2.3.2 S/w Constraints

- Any web browser required

2.4 Advantages

- Share resources, images publicly
- Obtain records fast

2.5 Limitations

- Saving image is not possible

3. Environment Specifications

3.1 Hardware & Software Requirements

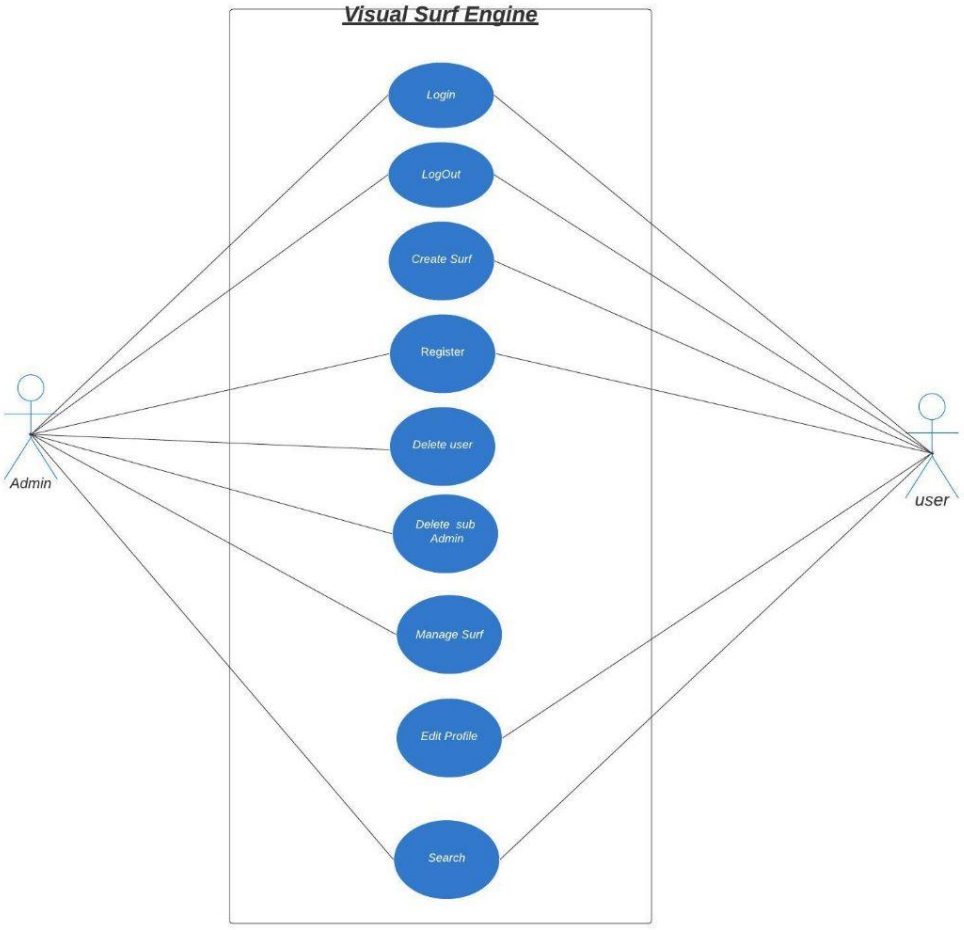
- System should be connected to internet
- System should have a web browser to access the website
- System should have at least 2 Gb of RAM or enough to run a web browser

5. System Analysis

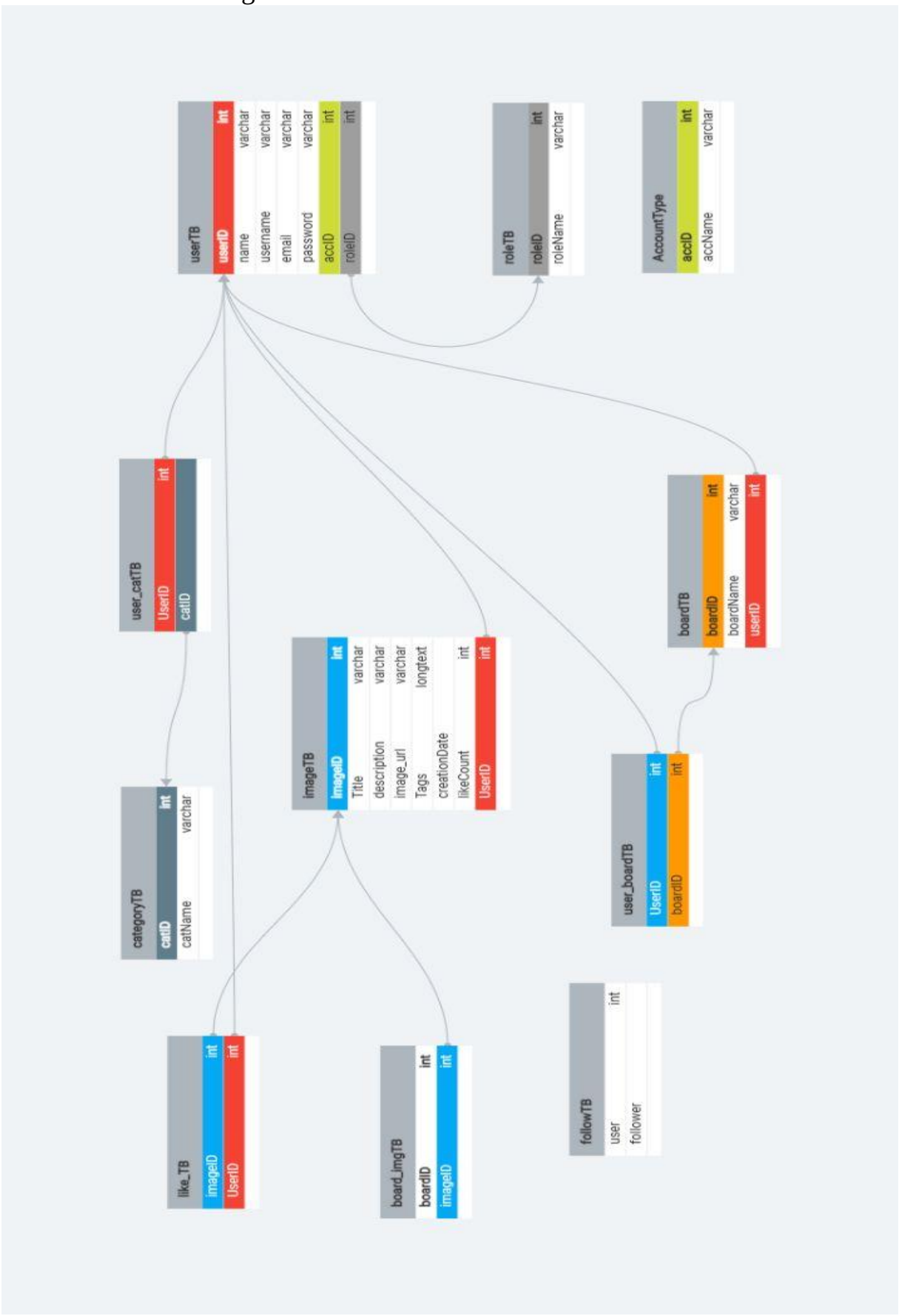
5.1 Detailed SRS

5.2 UML Diagram

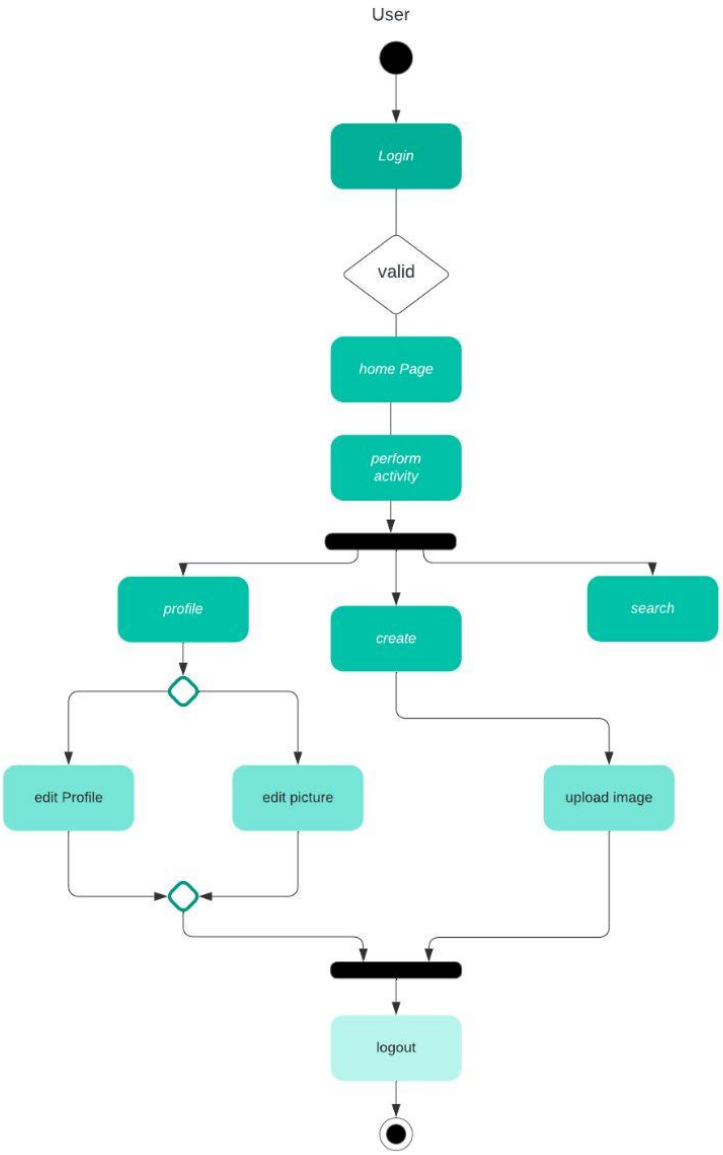
5.2.1 Use Case Diagram



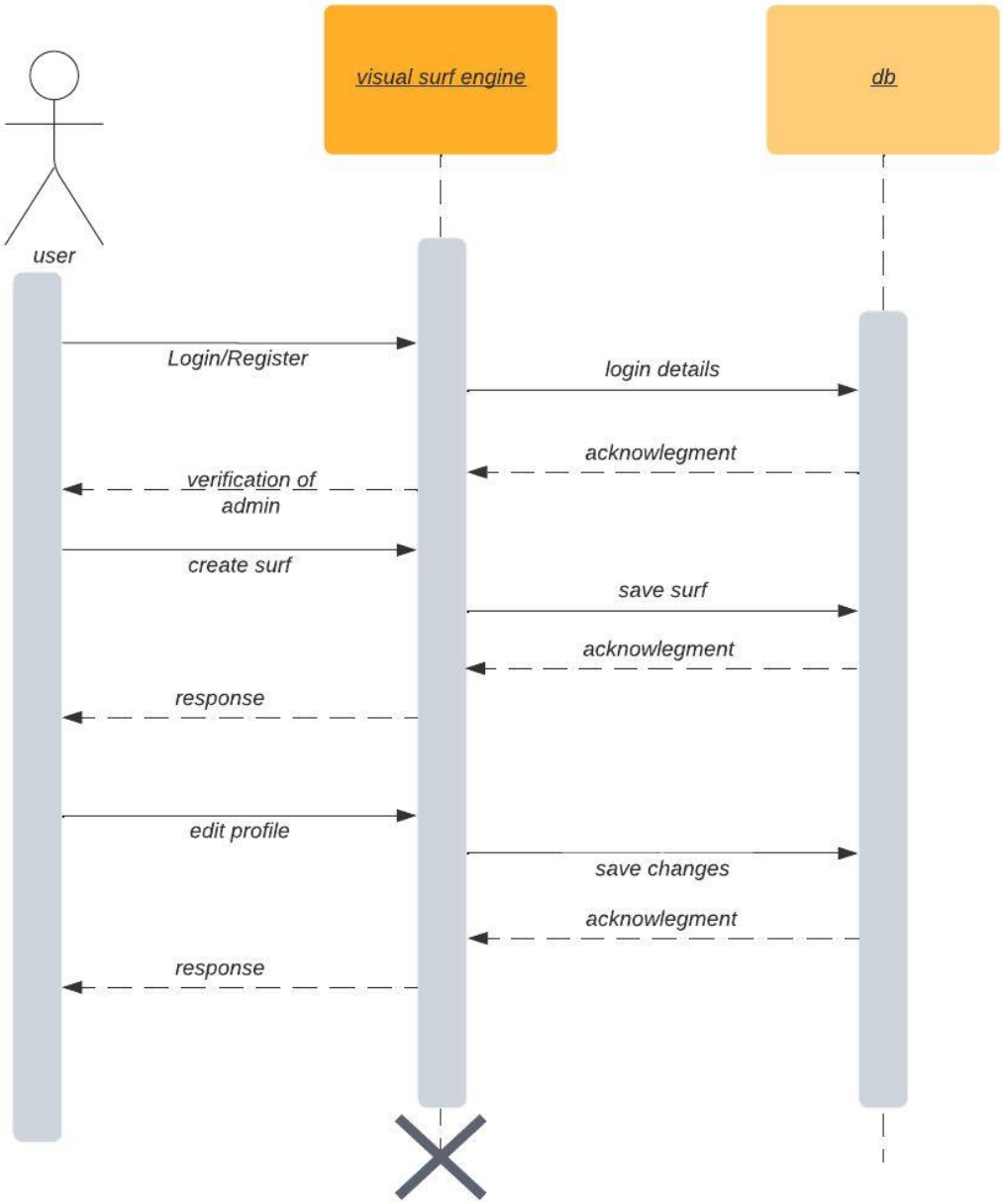
5.2.2 Class Diagram



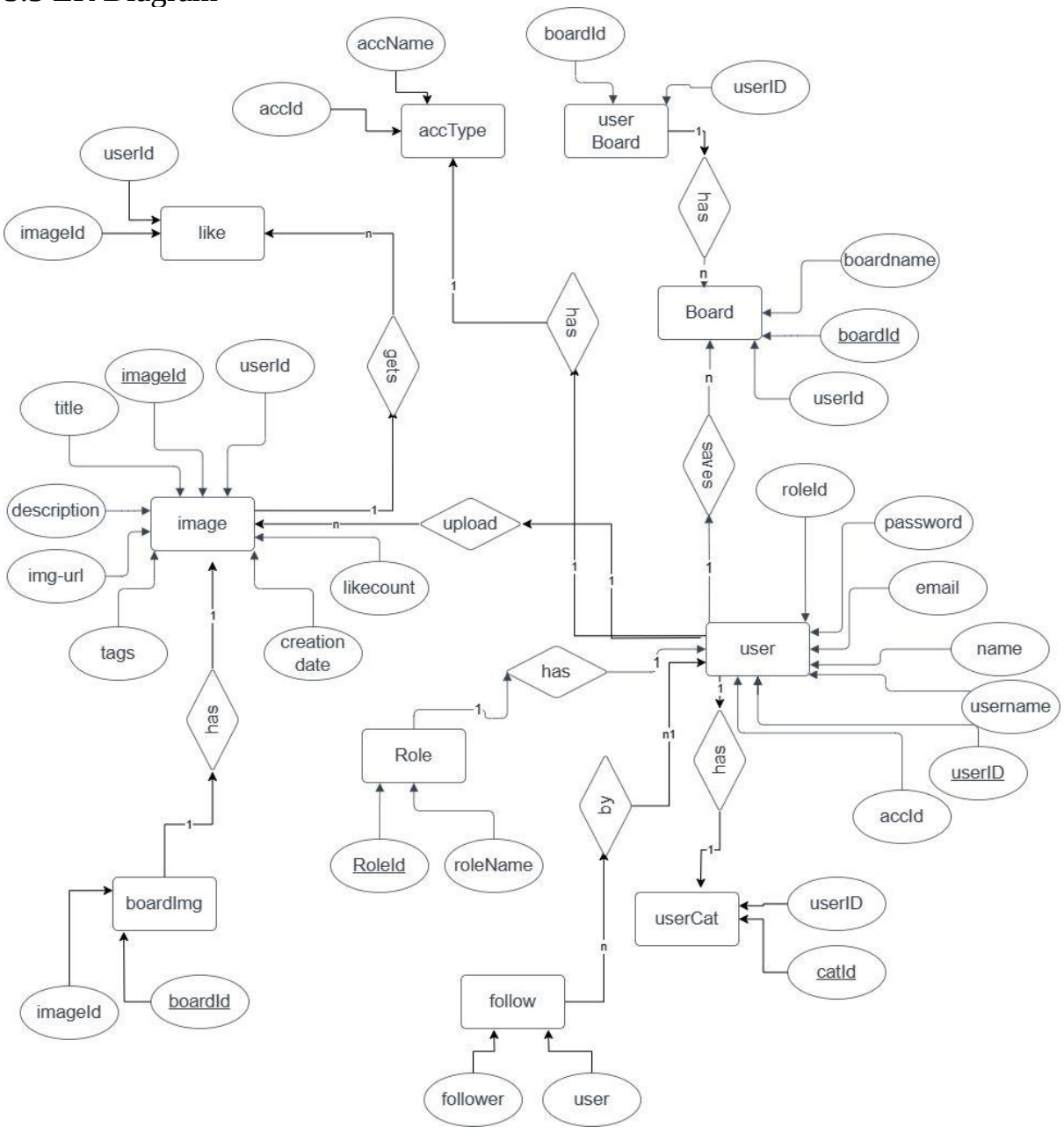
5.2.3 Activity Diagram



5.2.4 Sequence Diagram



5.3 ER Diagram



6. Software Design

6.1 Database Design

1) user

Column	Type	Null	PrimaryKey	ForeignKey	FK table name
userID	int(11)	No	Yes		
name	varchar(50)	No			
username	varchar(200)	No			
email	varchar(200)	No			
password	varchar(100)	No			
accID	int	NO		yes	AccountType
roleID	Int	NO		Yes	roleTb

2) imageTB

Column	Type	Null	PrimaryKey	ForeignKey	FK table name
imageID	**Int**	**No**	**yes**		
Title	varchar(30)	No			
image_url	varchar(30)	Yes			
Tags	longtext	No			
creationDate	Date	No			
likeCount	int	No			
userID	Int	No		Yes	userTb

3)Account type

Column	Type	Null	PrimaryKey	ForeignKey	FK table name
accID	**Int**	**No**	**yes**		
accName	varchar(30)	No			

4)roleTB

Column	Type	Null	PrimaryKey	ForeignKey	FK table name
roleID	**Int**	**No**	**yes**		
roleName	varchar(30)	No			

5)FollowTB

Column	Type	Null	PrimaryKey	ForeignKey	FK table name
user	**Int**	**No**			
follower	int	No			

6) categoryTB

Column	Type	Null	PrimaryKey	ForeignKey	FK table name
catID	**Int**	**No**	**yes**		
catName	varchar	No			

7)user_catTB

Column	Type	Null	PrimaryKey	ForeignKey	FK table name

userID	**Int**	**No**		**yes**	**userTB**
catID	int	No		yes	categoryTB

8)user_board

Column	**Type**	**Null**	**PrimaryKey**	**ForeignKey**	**FK table name**
userID	**Int**	**No**		**yes**	**UserTB**
boardID	int	No		yes	boardTB

9)boardTB

Column	**Type**	**Null**	**PrimaryKey**	**ForeignKey**	**FK table name**
boardID	**Int**	**No**	**yes**		
boardName	**Varchar**	**No**			
userID	int	No		yes	userTB

7)board_imgTB

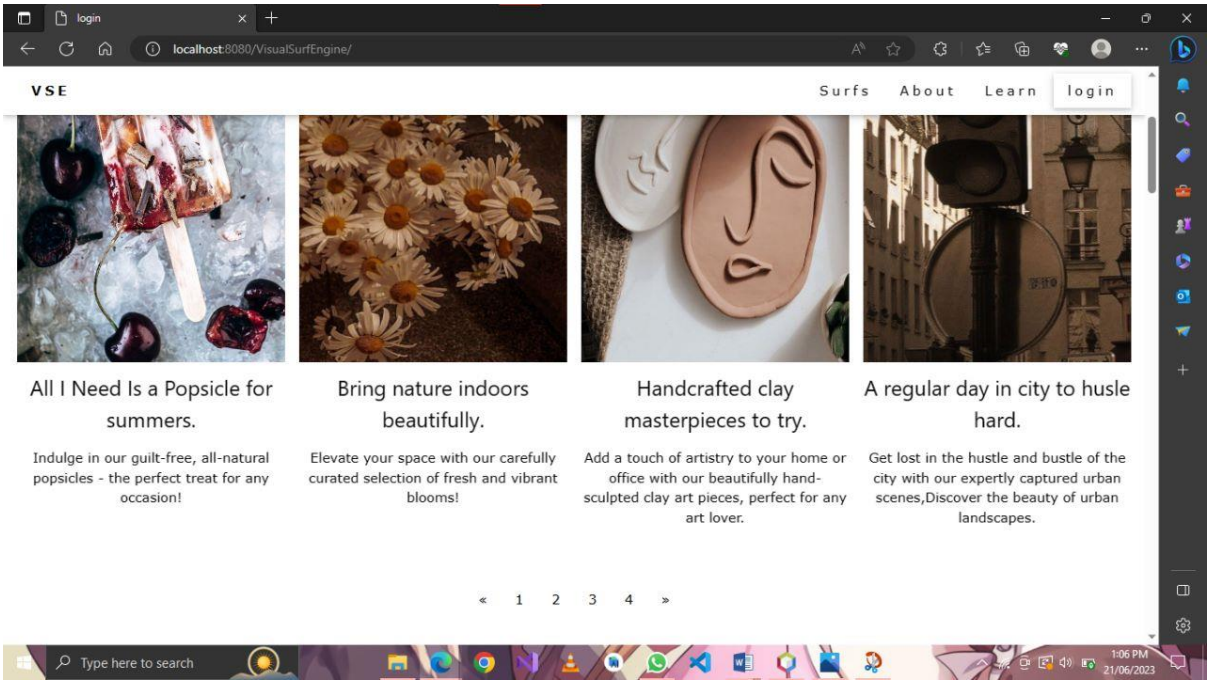
Column	**Type**	**Null**	**PrimaryKey**	**ForeignKey**	**FK table name**
boardID	**Int**	**No**		**yes**	boardTB
imageID	int	No		yes	imageTB

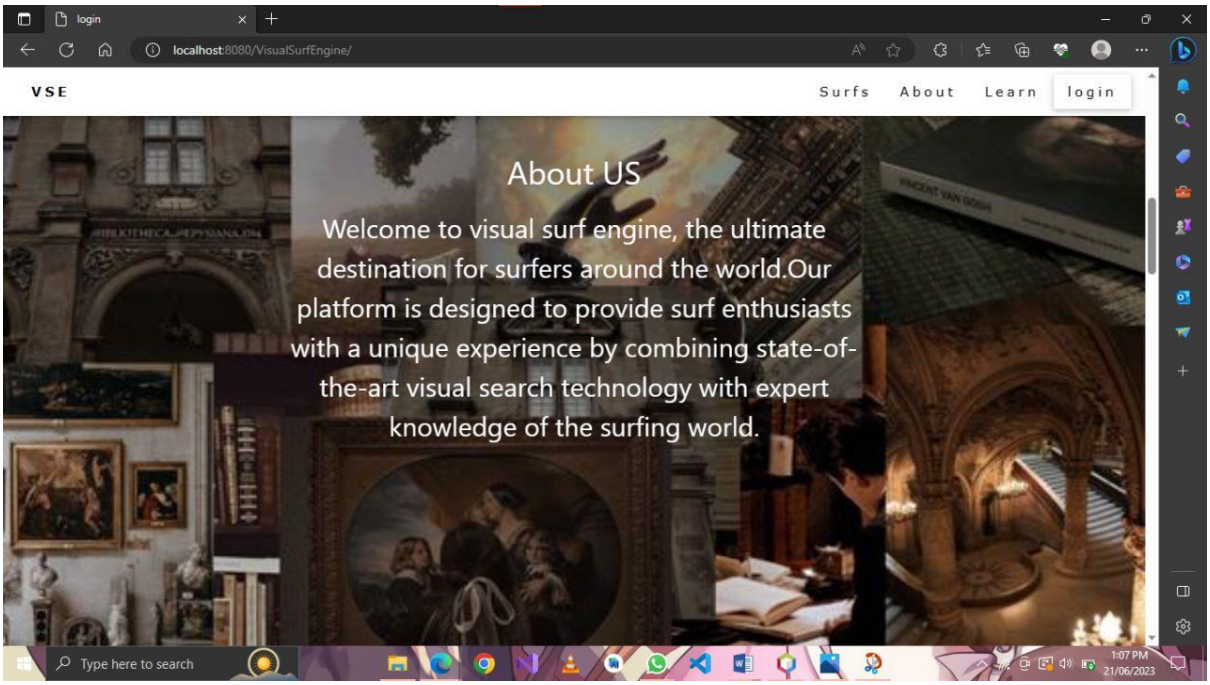
7)likeTB

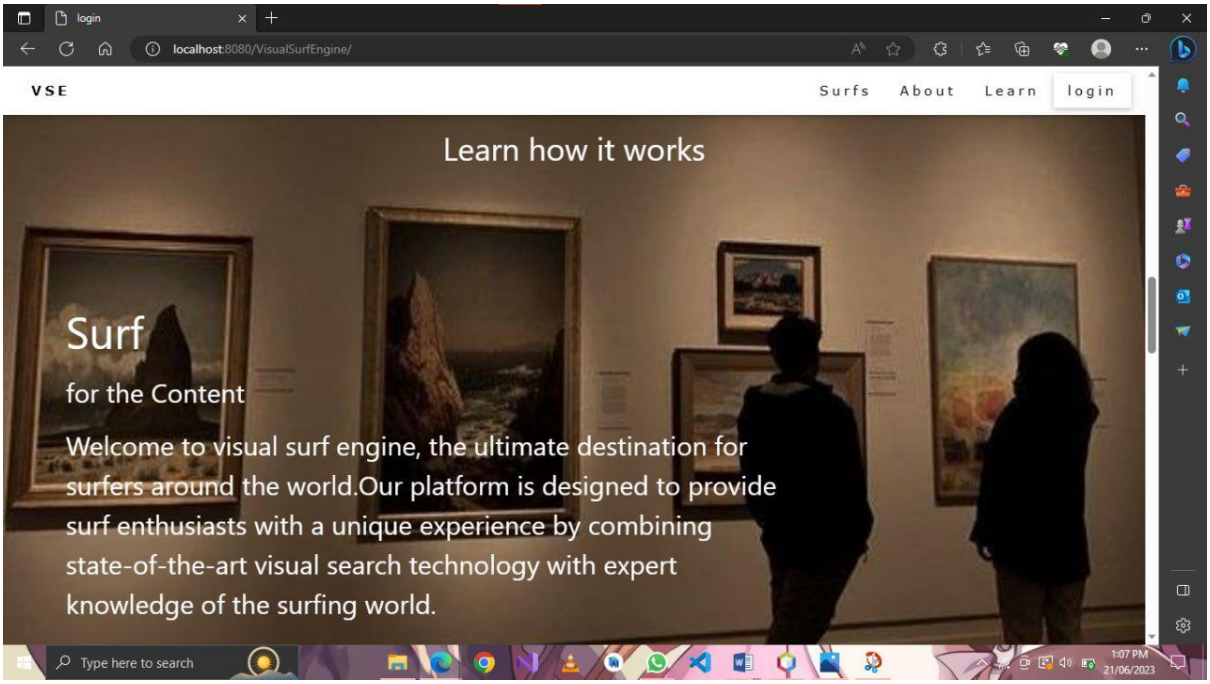
Column	**Type**	**Null**	**PrimaryKey**	**ForeignKey**	**FK table name**
userID	**Int**	**No**		**yes**	userTB
imageID	int	No		yes	imageTB

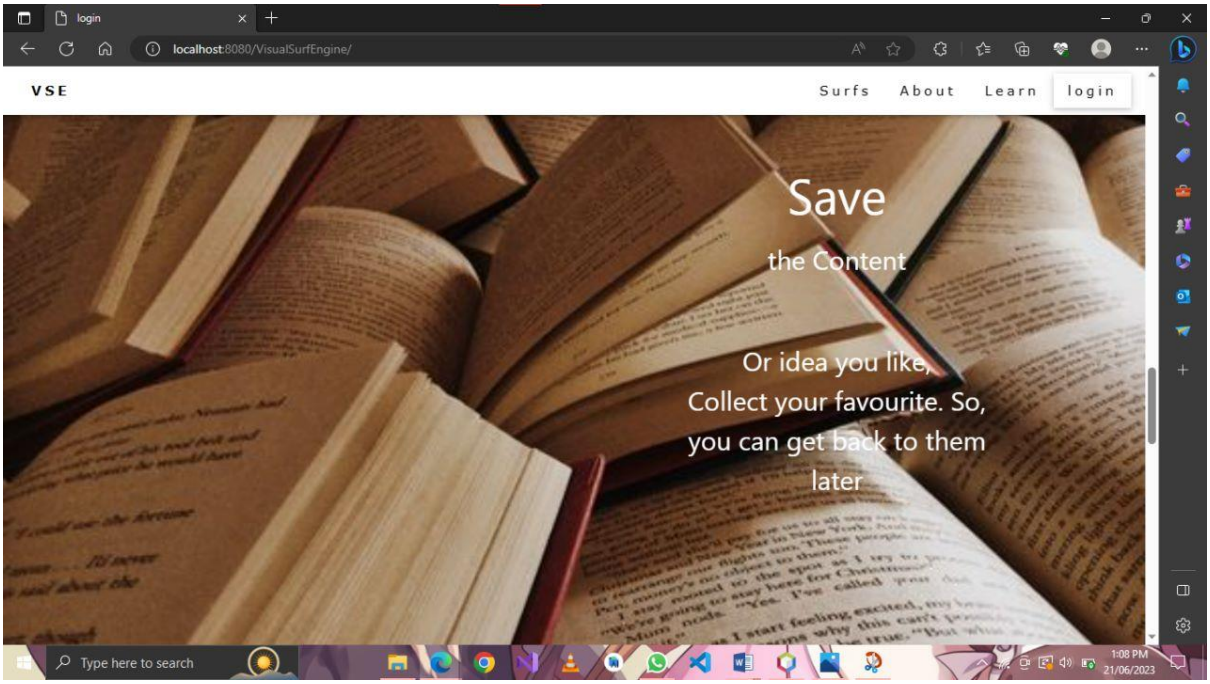
6.2. Interface Design

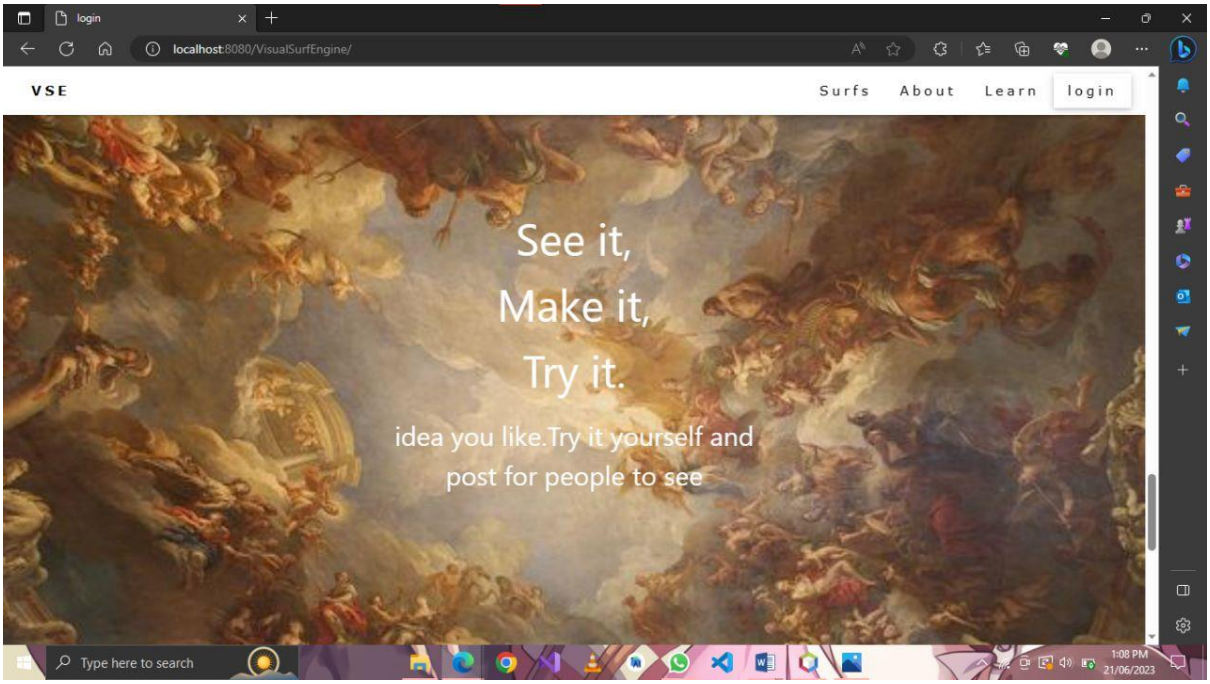
1. Main Page



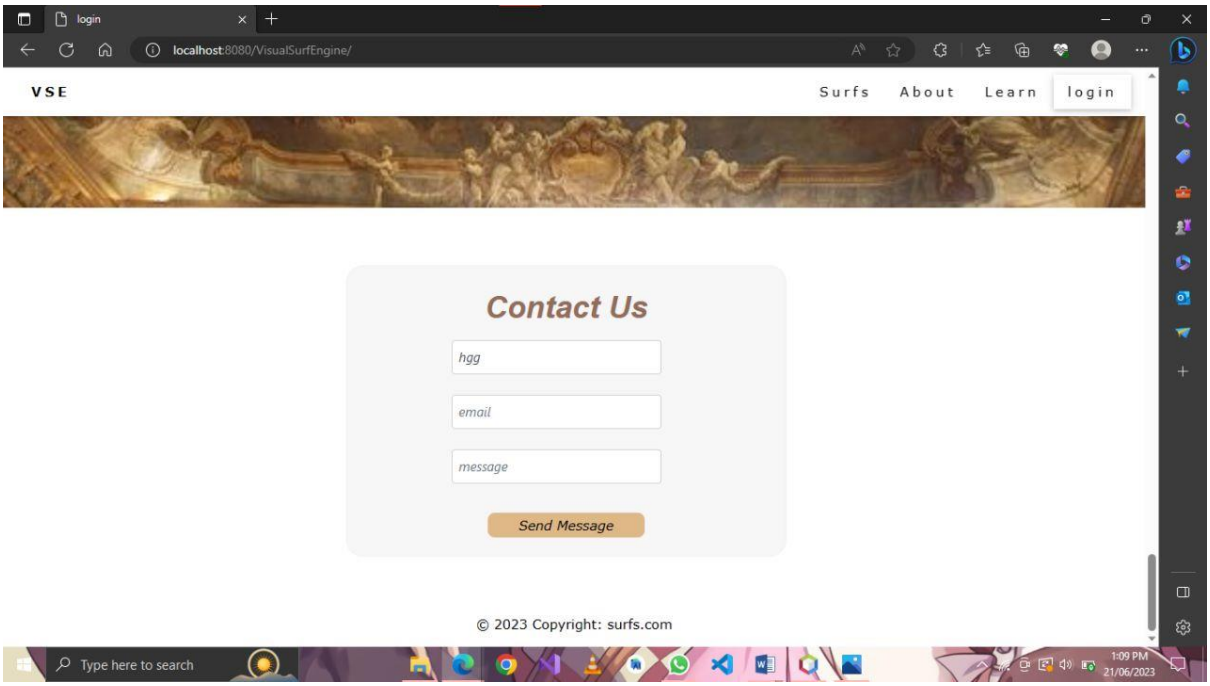



login
localhost:8080/VisualSurfEngine/
VSE
Surfs
About
Learn
login
Learn how it works
Surf
for the Content
Welcome to visual surf engine, the ultimate destination for surfers around the world.Our platform is designed to provide surf enthusiasts with a unique experience by combining state-of-the-art visual search technology with expert knowledge of the surfing world.
Type here to search
1:07 PM
21/06/2023

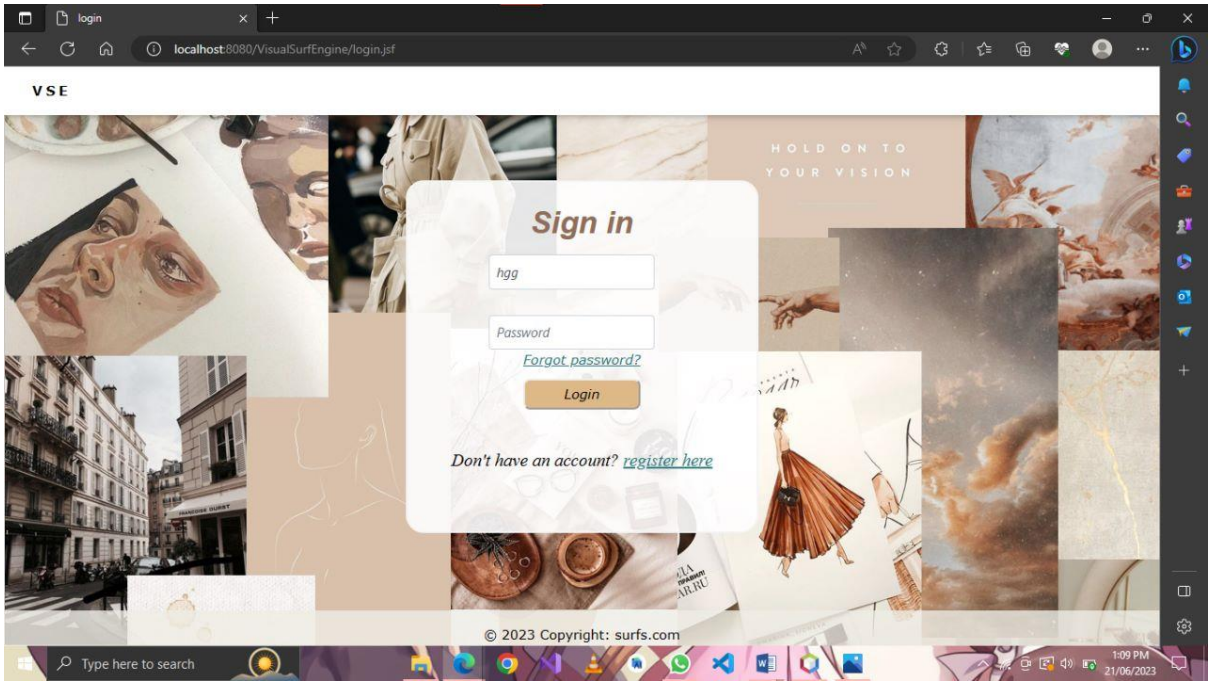

login
localhost:8080/VisualSurfEngine/
VSE
Surfs
About
Learn
login
Save
the Content
Or idea you like,
Collect your favourite. So,
you can get back to them
later
Type here to search
1:08 PM
21/06/2023

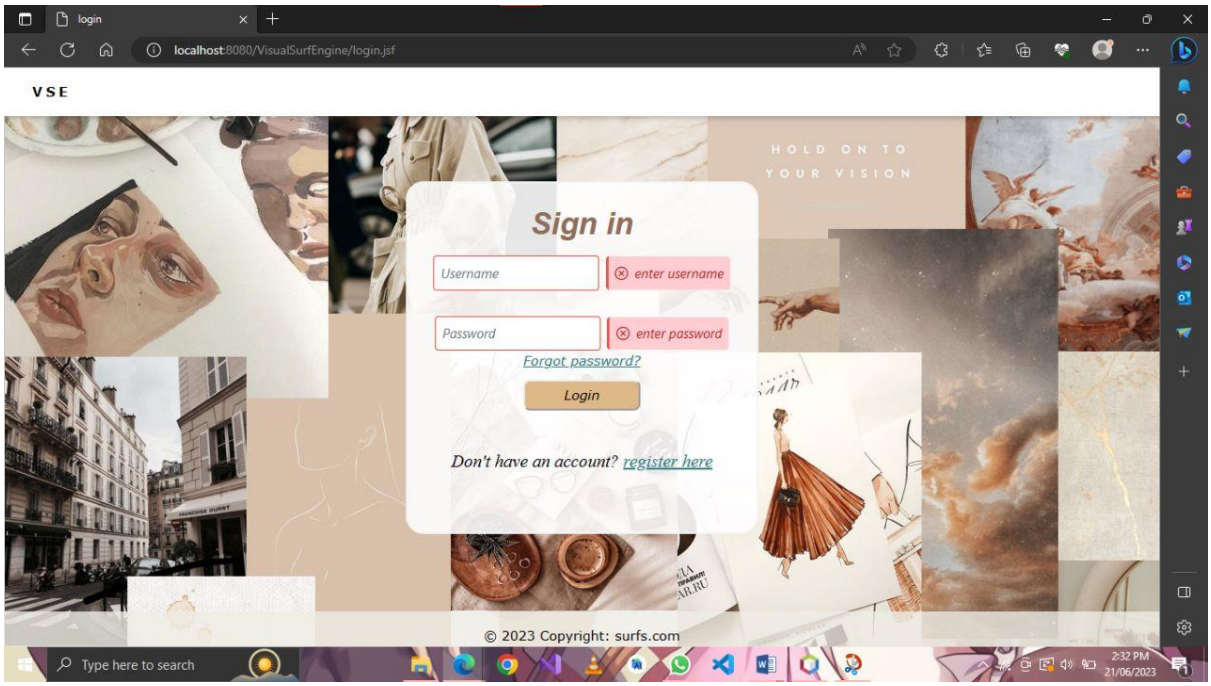

login
localhost:8080/VisualSurfEngine/
VSE
Surfs
About
Learn
login
See it,
Make it,
Try it.
idea you like.Try it yourself and
post for people to see
Type here to search
1:08 PM
21/06/2023

2. Contact Us

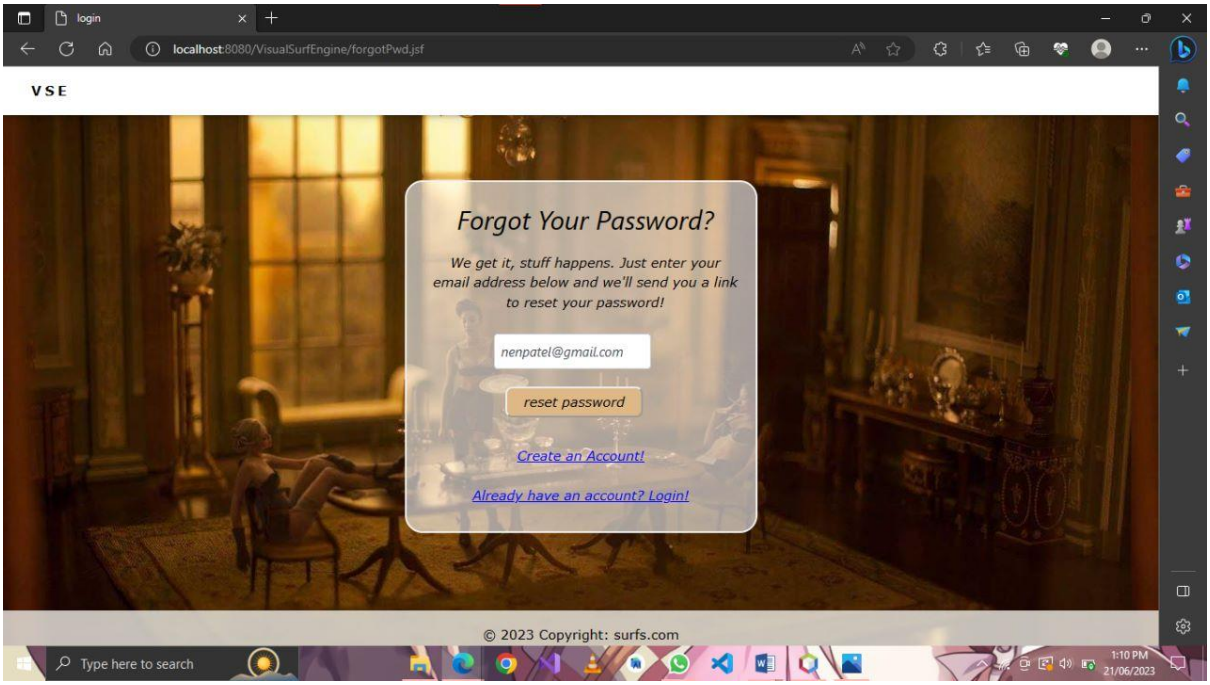

login
localhost:8080/VisualSurfEngine/
VSE
Surfs
About
Learn
login
Contact Us
hgg
email
message
Send Message
© 2023 Copyright: surfs.com
Type here to search
1:09 PM
21/06/2023

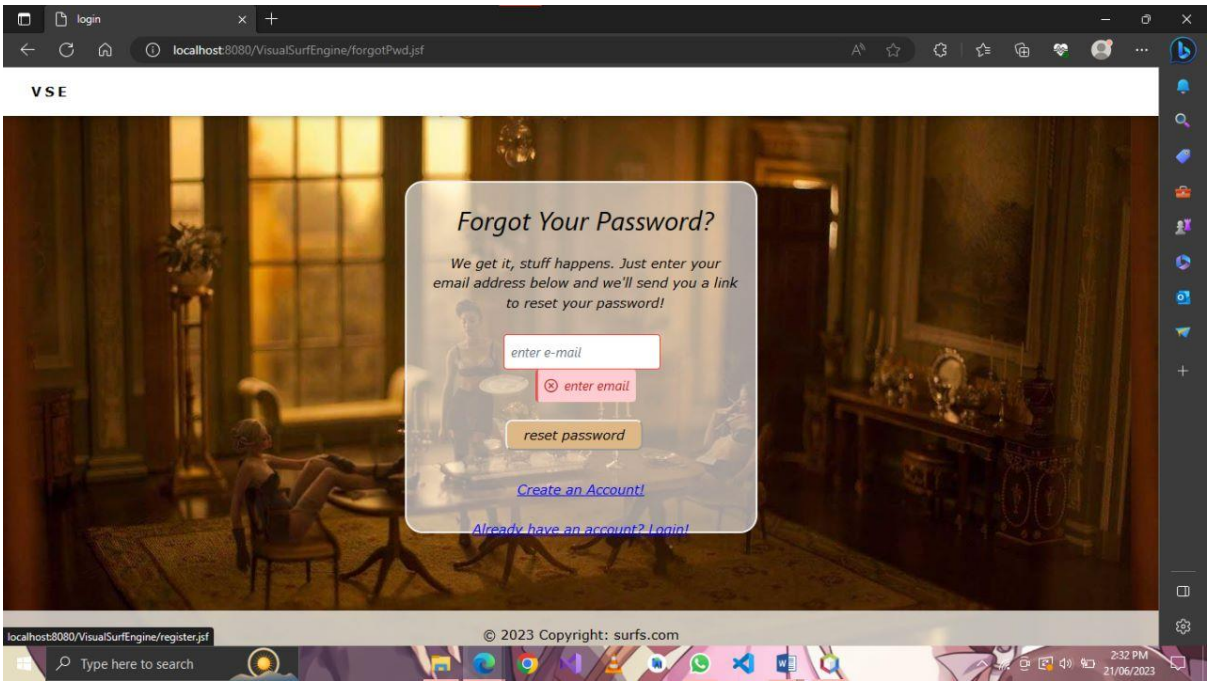
3. Sign in Page

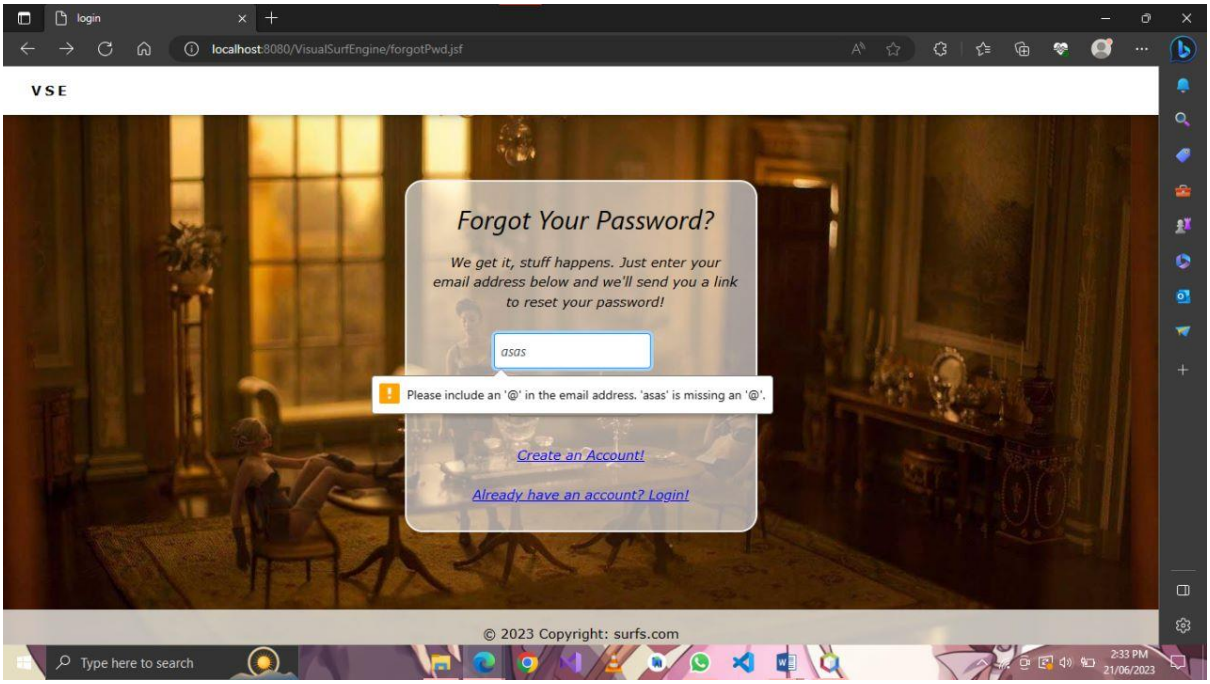




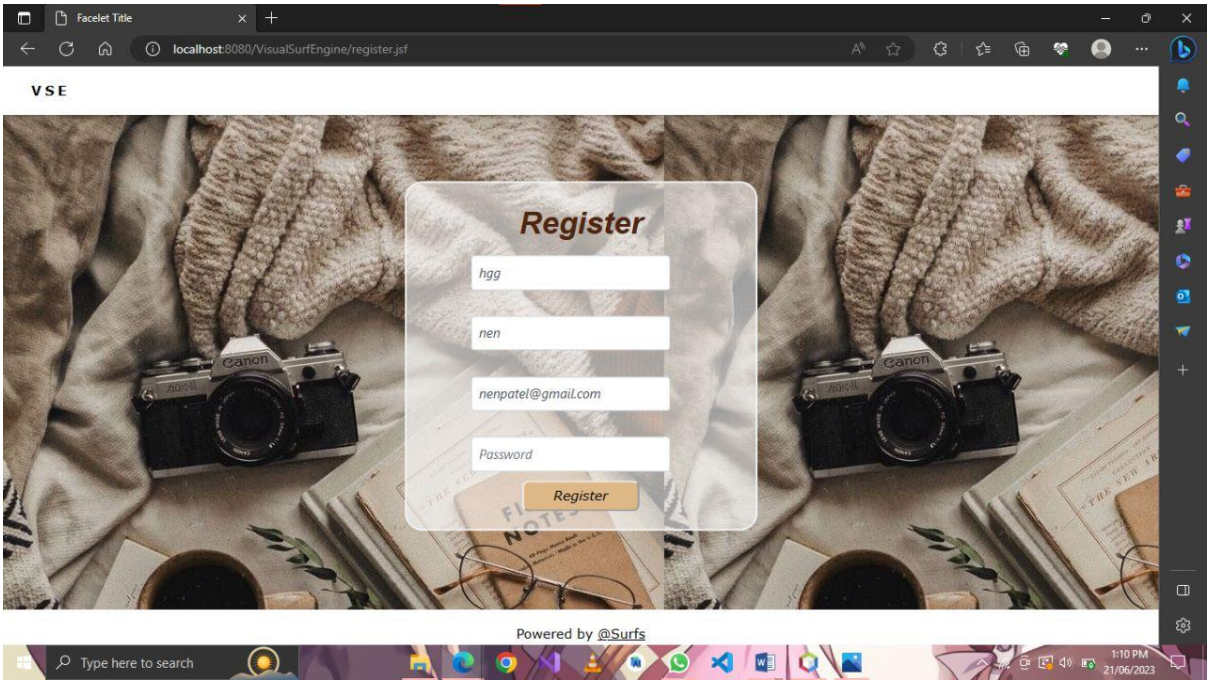
4. Forgot Password Page

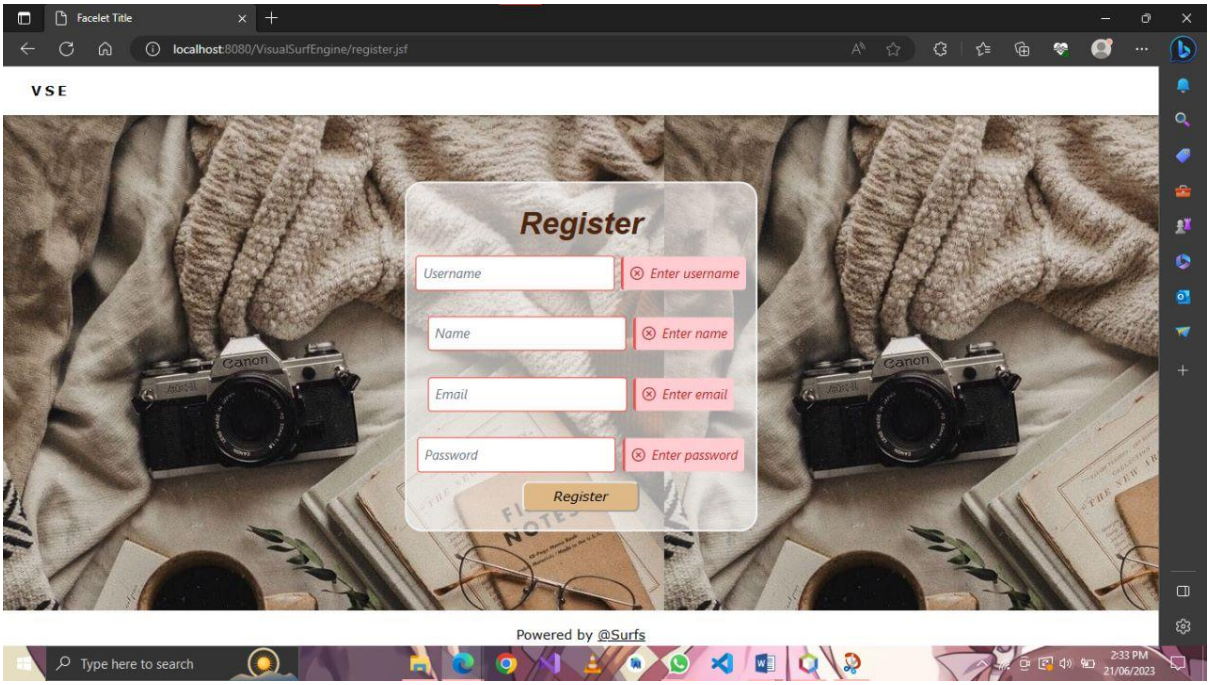


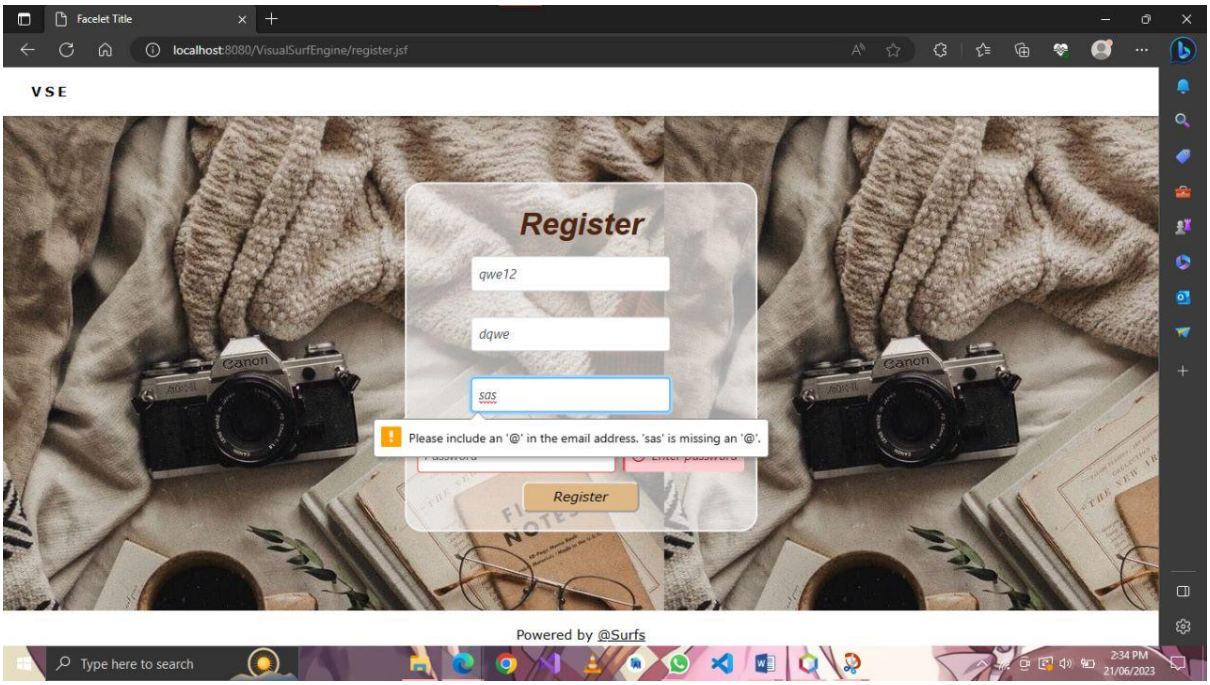




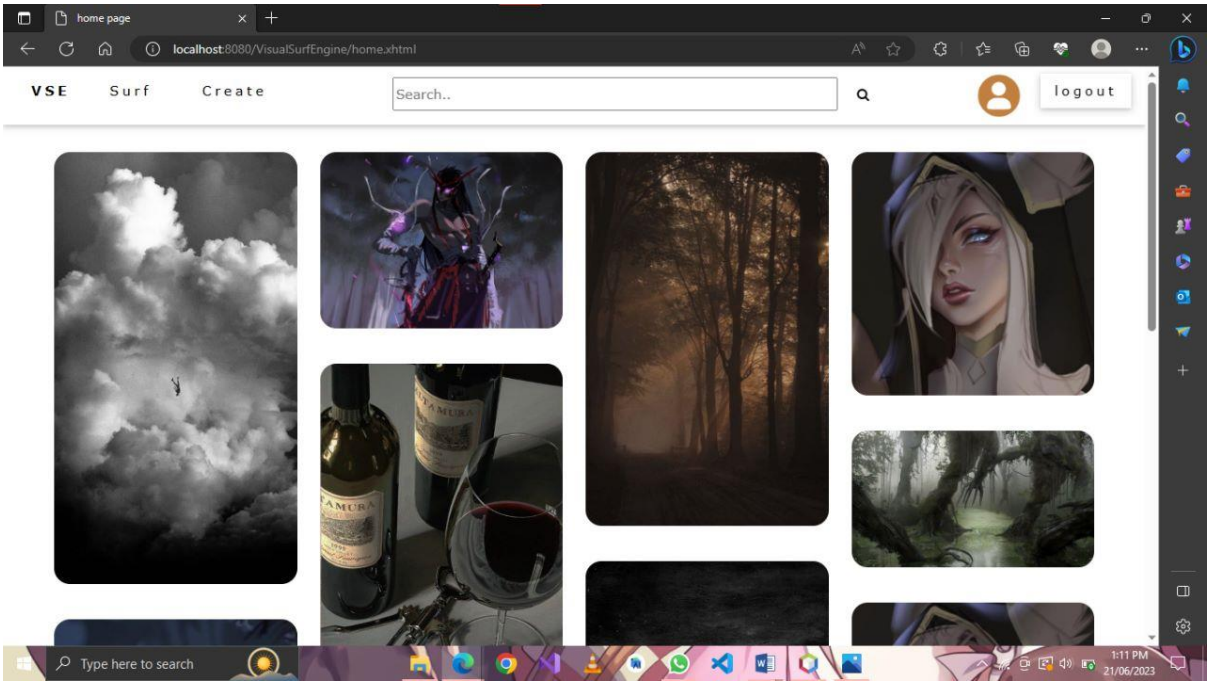
5. Register Page

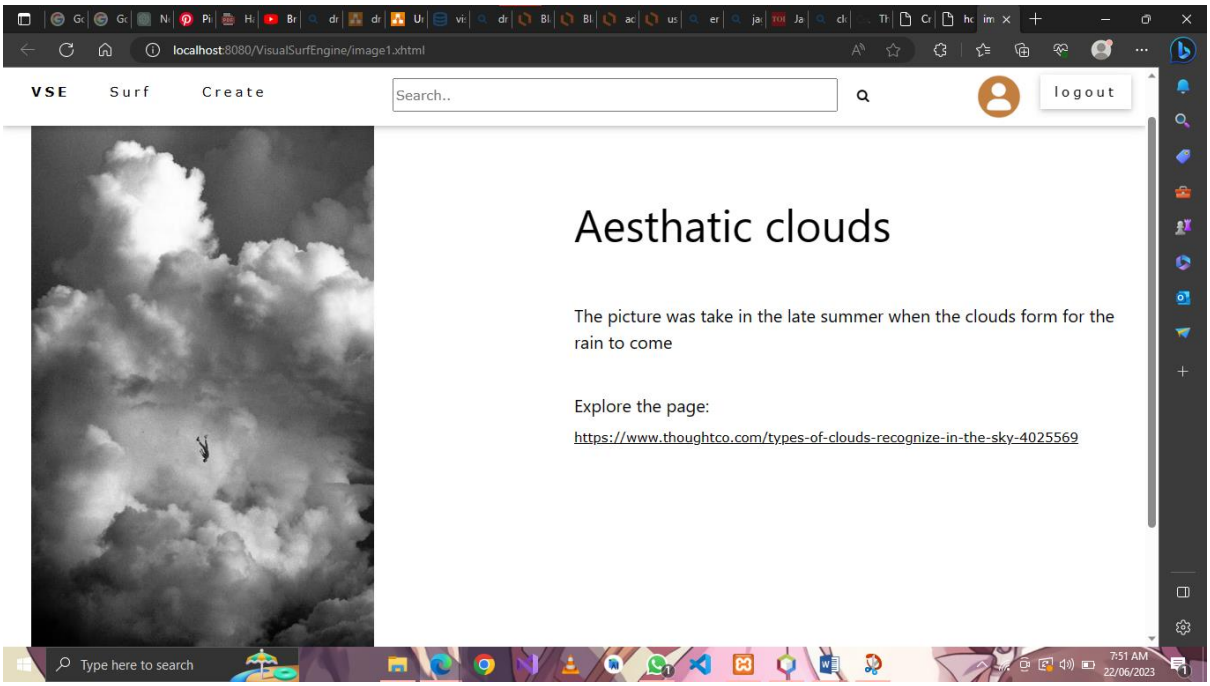



Facelet Title
localhost:8080/VisualSurfEngine/register.jsf
VSE
Register
Username
Enter username
Name
Enter name
Email
Enter email
Password
Enter password
Register
Powered by @Surfs
Type here to search
2:33 PM
21/06/2023

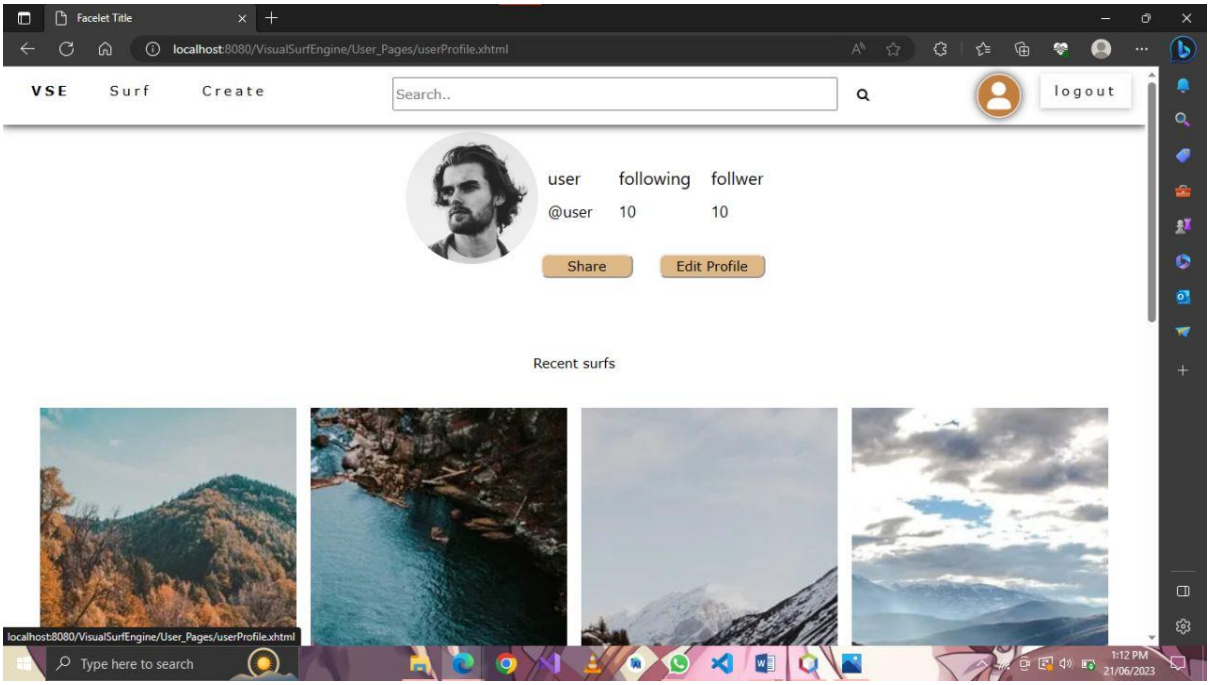

Facelet Title
localhost:8080/VisualSurfEngine/register.jsf
VSE
Register
qwe12
dqwe
sas
Please include an '@' in the email address. 'sas' is missing an '@'.
Register
Powered by @Surfs
Type here to search
2:34 PM
21/06/2023

6. Home Page

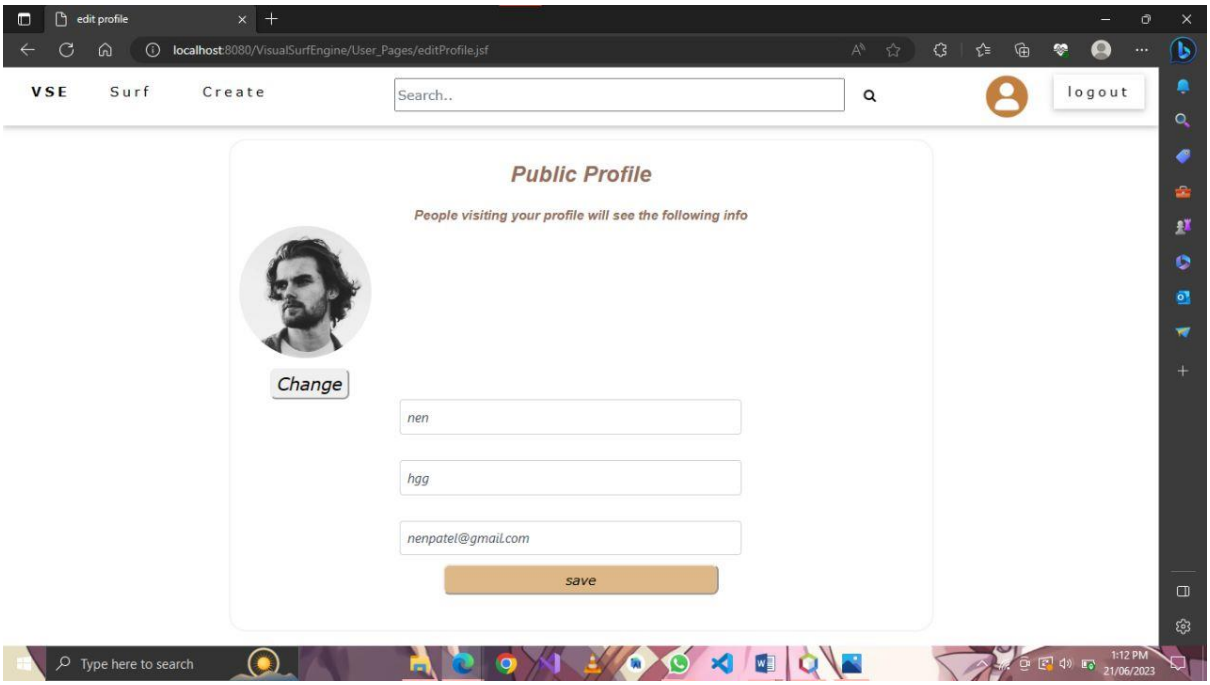

home page
localhost:8080/VisualSurfEngine/home.xhtml
VSE
Surf
Create
Search..
logout
Type here to search
1:11 PM
21/06/2023

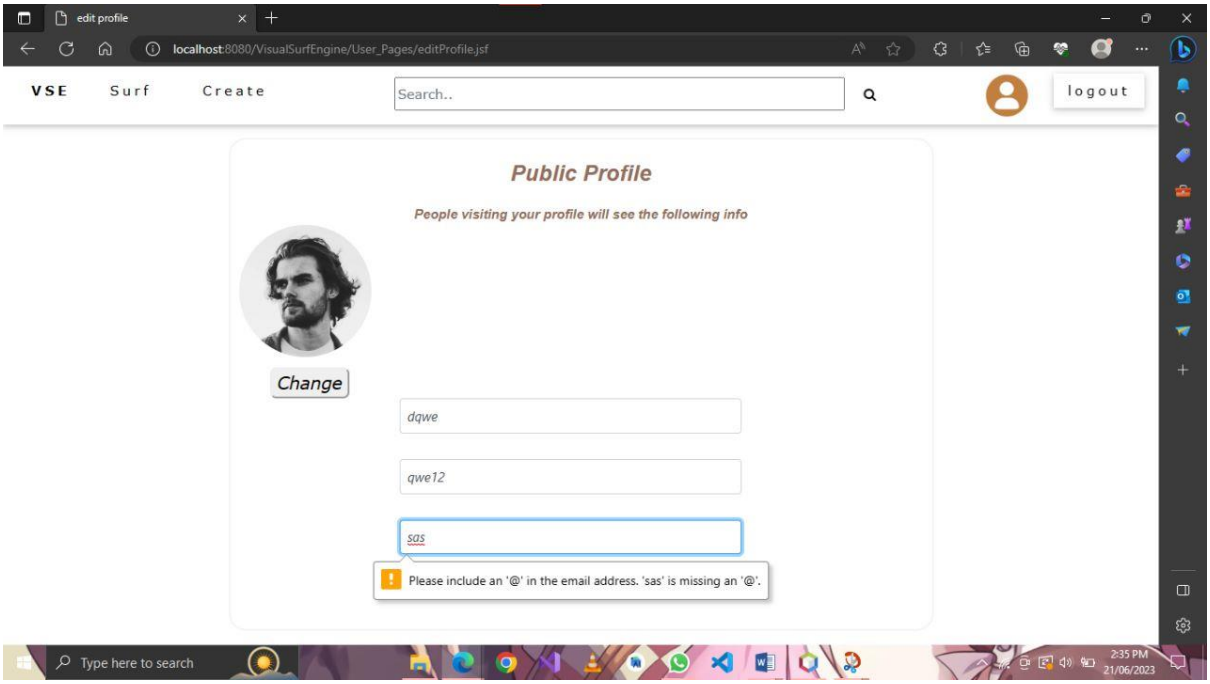

localhost:8080/VisualSurfEngine/image1.xhtml
VSE
Surf
Create
Search..
logout
Aesthatic clouds
The picture was take in the late summer when the clouds form for the rain to come
Explore the page:
https://www.thoughtco.com/types-of-clouds-recognize-in-the-sky-4025569
Type here to search
7:51 AM
22/06/2023

7. User Profile (Self)

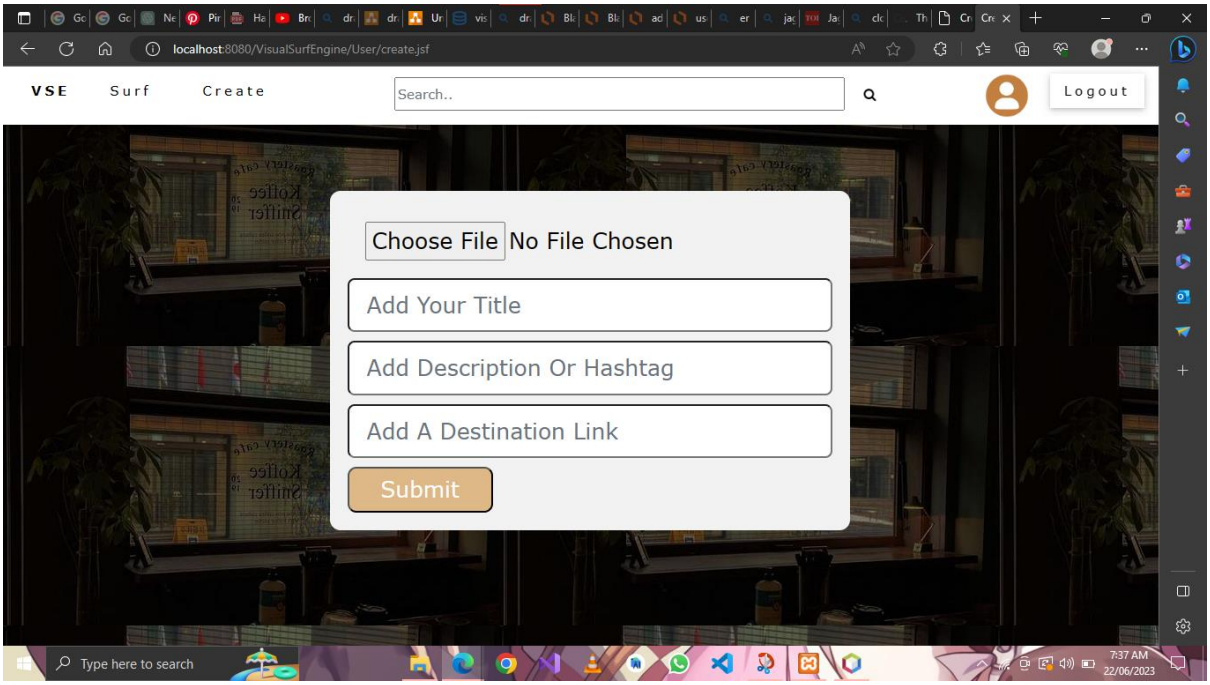


8. Edit Profile

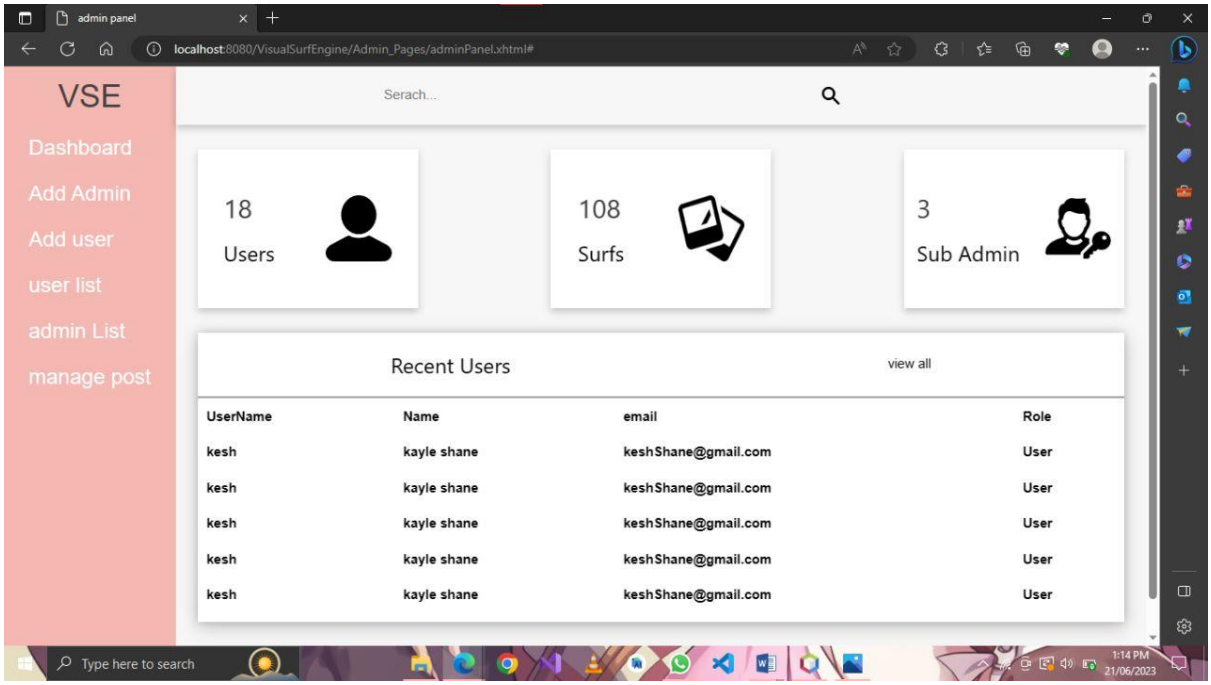




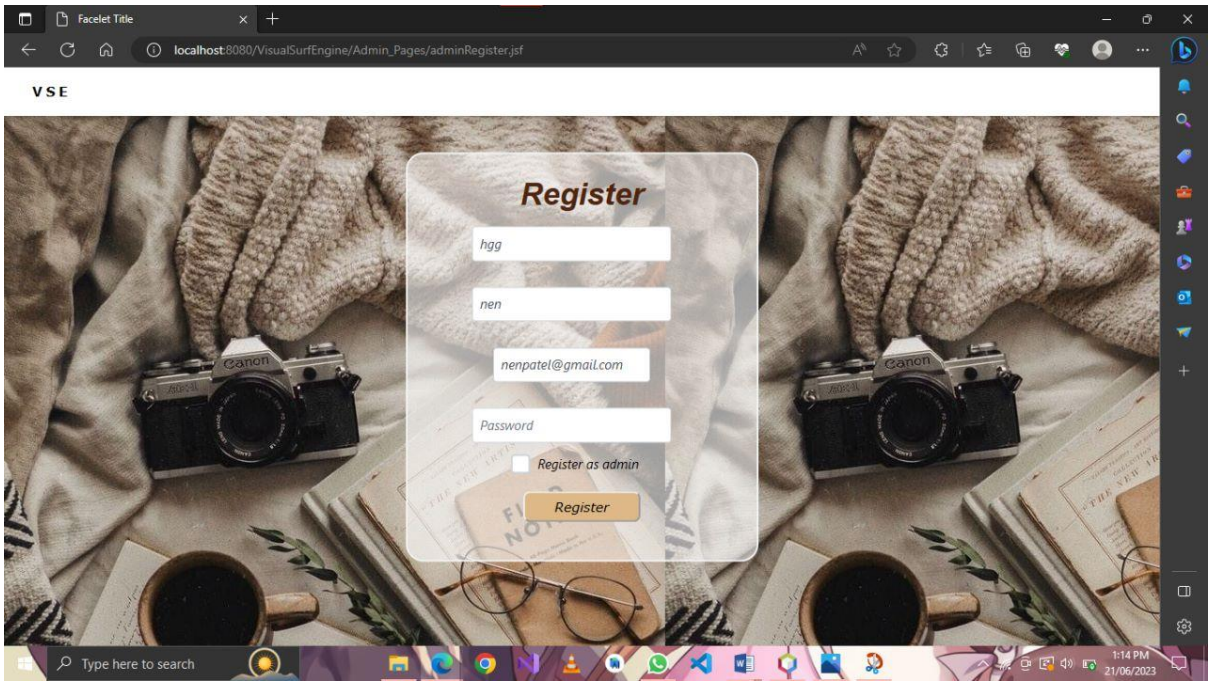
9. Upload Image



10. Admin Panel



11. Register Form (Admin)



Future Enhancements

- Savable images
- Add videos to the post too
- Mobile app for this System