

Software Requirements Specification (SRS) Document

Spartan Small Business Manager

05/8/2025

Tsega Takele, Reba Aliah Mathews,
Yahir Paz Ardon

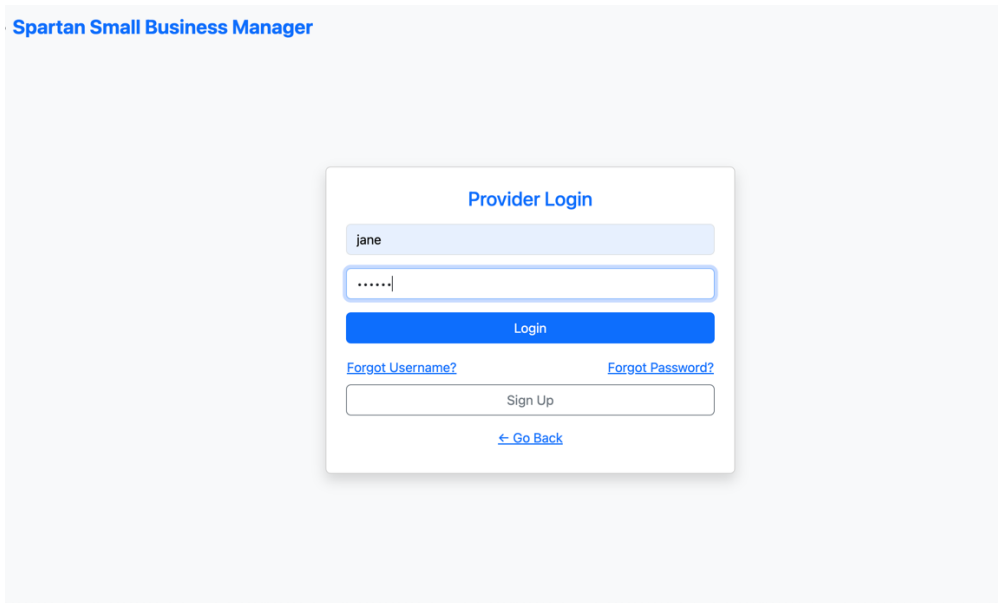
Github repository link: <https://github.com/raliahm/SpartanSmallBusinessManager>

Table of contents

1. Main branch containing design document and SRS document:
<https://github.com/raliahm/SpartanSmallBusinessManager/tree/main>
2. Branch containing customer static web pages:
https://github.com/raliahm/SpartanSmallBusinessManager/tree/tsega_takele
3. Branch containing provider static web pages:
https://github.com/raliahm/SpartanSmallBusinessManager/tree/yahir_paz
4. Branch containing system admin static web pages:
<https://github.com/raliahm/SpartanSmallBusinessManager/tree/admin-profile>
5. Branch containing customer CRUD API:
https://github.com/raliahm/SpartanSmallBusinessManager/tree/Customer_crud_api
6. Branch containing provider CRUD API:
https://github.com/raliahm/SpartanSmallBusinessManager/tree/Provider_CRUP_API
7. Branch containing system admin CRUD API:
<https://github.com/raliahm/SpartanSmallBusinessManager/tree/reba-mathews>
8. Branch with final project submission:
https://github.com/raliahm/SpartanSmallBusinessManager/tree/final_mvc_app

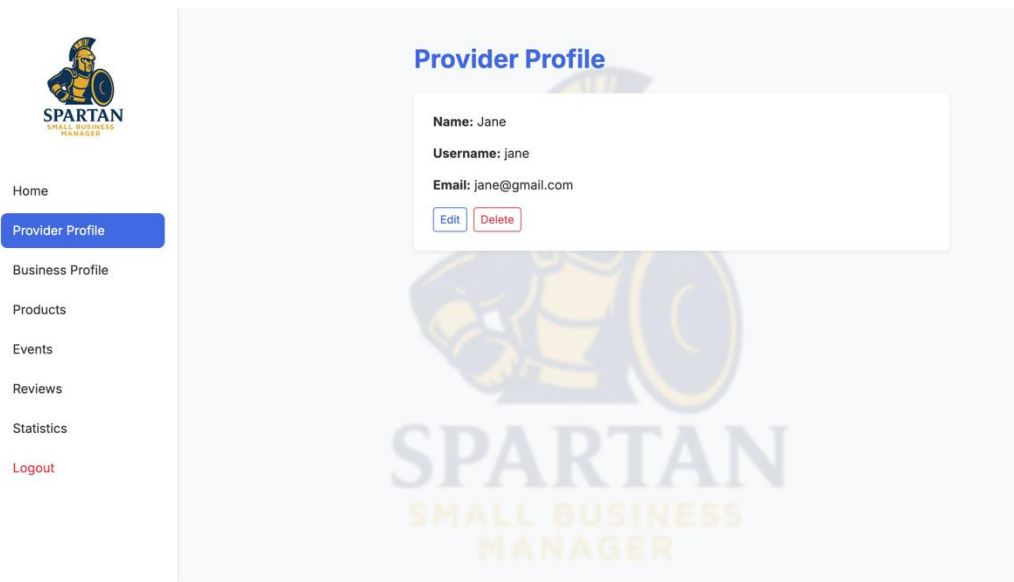
Scenarios with screenshots for Provider – Yahir Paz

I. Provider logs in



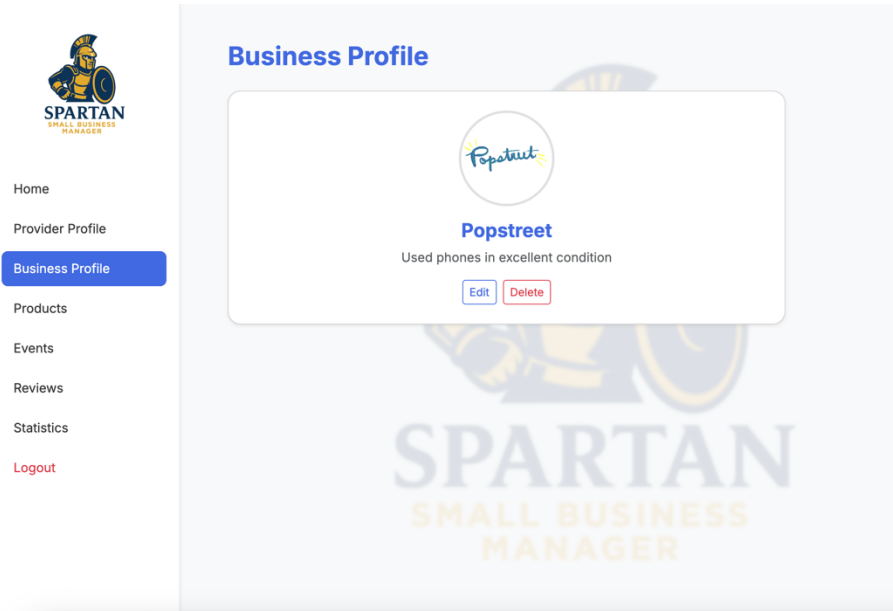
The screenshot shows the login interface for the Spartan Small Business Manager. At the top left, the text "Spartan Small Business Manager" is displayed in blue. The main content area features a white box titled "Provider Login". Inside this box, there is a text input field containing the username "jane", a password input field with masked characters ".....", a blue "Login" button, a link for "Forgot Username?", a link for "Forgot Password?", a "Sign Up" button, and a blue link "← Go Back".

II. Provider is welcomed by provider profile page after a successful log in

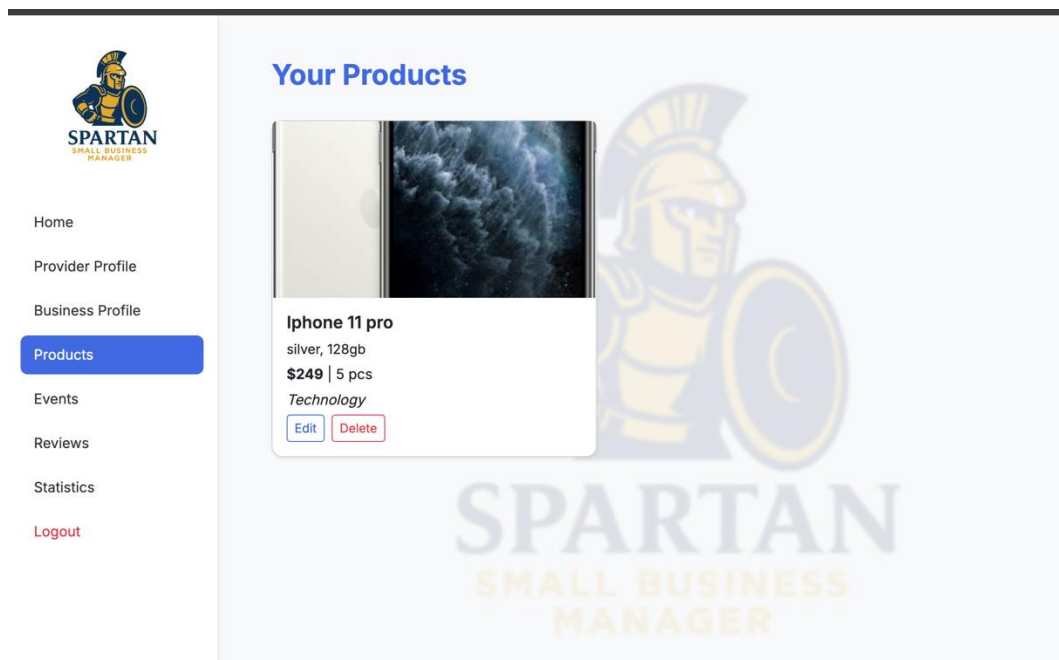


The screenshot displays the "Provider Profile" page. On the left is a sidebar with a logo at the top and a list of navigation links: "Home", "Provider Profile" (highlighted in blue), "Business Profile", "Products", "Events", "Reviews", "Statistics", and "Logout". The main content area is titled "Provider Profile" and shows the following information: "Name: Jane", "Username: jane", and "Email: jane@gmail.com". Below the email, there are two buttons: "Edit" and "Delete". The background of the main area features a large, faint watermark of the Spartan logo and the text "SPARTAN SMALL BUSINESS MANAGER".

III. Provider registers a business



IV. Provider adds a product



V. Provider creates an event


SPARTAN
SMALL BUSINESS
MANAGER

Home
Provider Profile
Business Profile
Products
Events
Reviews
Statistics
Logout

Manage Events

Pop Up shop
Description: Come for an in-person shopping experience
Location: UNCG EUC building
Date: 2025-05-23
[Edit](#) [Delete](#)

VI. Provider replies to a review

 Logo

Provider Profile
Business Profile
Products
Events
Reviews
Statistics
Logout

Customer Reviews

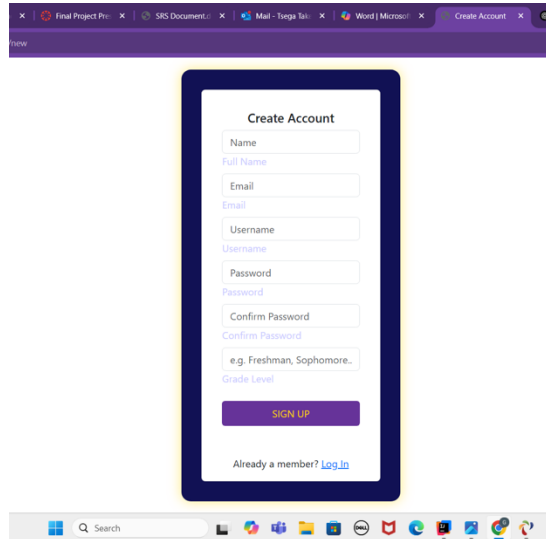
Product: Iphone 11 pro
Customer Review: Absolutely love this item. Will buy again!
Your Response:
Thank you
[Save Reply](#) [Delete Reply](#)

Product: Iphone 11 pro
Customer Review: Item arrived damaged. Disappointed.
Your Response:

[Save Reply](#) [Delete Reply](#)

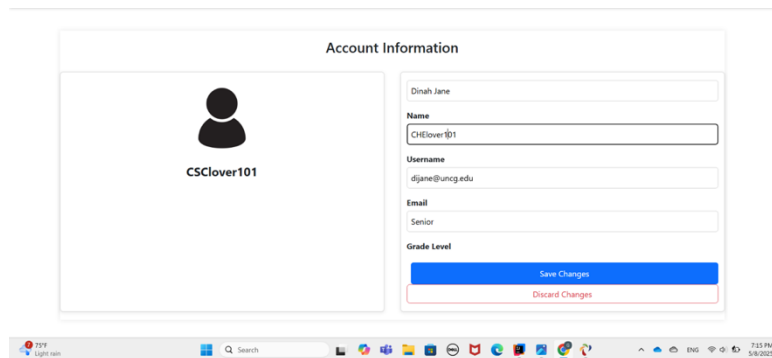
Scenarios With Screenshots (Customer) – Tsega Takele

1. Customer logs in for the first time and creates a profile.



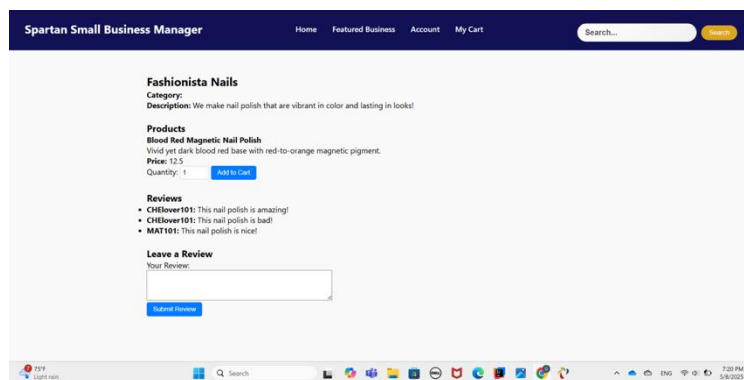
The screenshot shows a web browser window with multiple tabs. The active tab is titled 'Create Account'. The browser's address bar shows 'http://localhost:3000/'. The 'Create Account' form is displayed, featuring the following fields: 'Name' (with a 'Full Name' hint), 'Email' (with an 'Email' hint), 'Username' (with a 'Username' hint), 'Password' (with a 'Password' hint), 'Confirm Password' (with a 'Confirm Password' hint), and 'Grade Level' (with a hint 'e.g. Freshman, Sophomore...'). A 'SIGN UP' button is at the bottom of the form. Below the button, there is a link: 'Already a member? [Log In](#)'. The browser's taskbar at the bottom shows various application icons and the system clock.

2. Customer searches up available businesses.



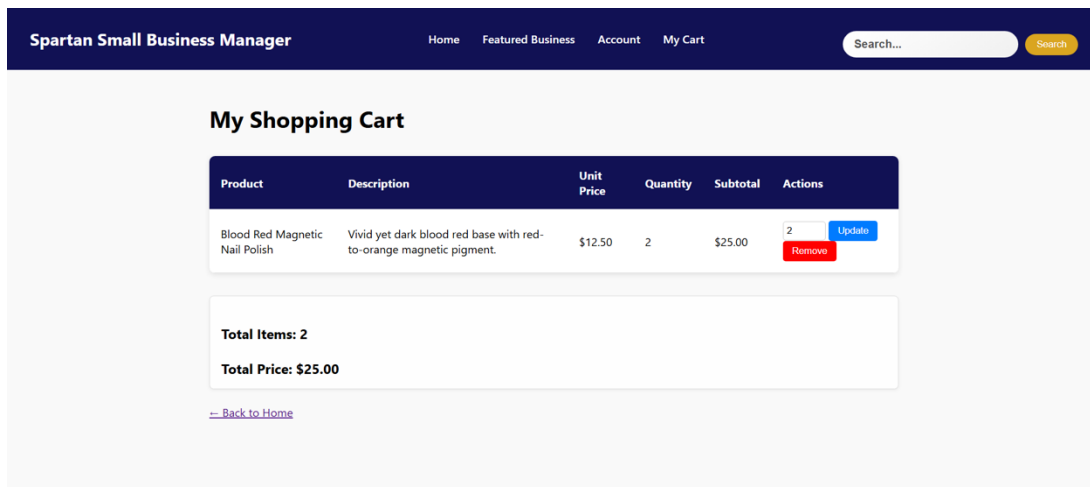
The screenshot shows a web browser window displaying the 'Account Information' page. The page has a header 'Account Information'. On the left, there is a profile picture placeholder with the text 'CSClover101' below it. On the right, there are input fields for 'Name' (containing 'Dinah Jane'), 'Username' (containing 'CHClover101'), 'Email' (containing 'djane@uncg.edu'), and 'Grade Level' (containing 'Senior'). Below these fields are two buttons: 'Save Changes' (in blue) and 'Discard Changes' (in red). The browser's taskbar at the bottom shows various application icons and the system clock.

3. Customer views business page.



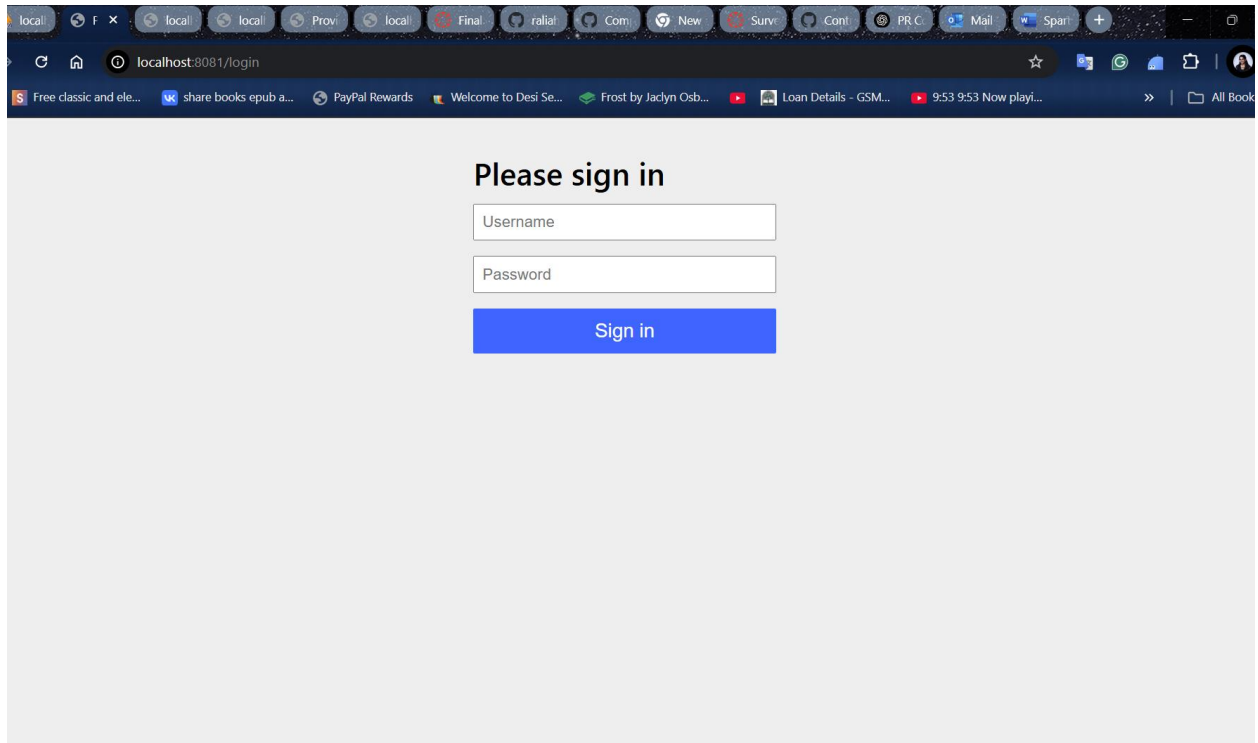
The screenshot shows a web browser window displaying the 'Fashionista Nails' business page. The page has a header 'Spartan Small Business Manager' with navigation links: 'Home', 'Featured Business', 'Account', and 'My Cart'. A search bar is located on the right. The main content area shows the business name 'Fashionista Nails', its category 'Category: We make nail polish that are vibrant in color and lasting in looks!', and a description 'Description: We make nail polish that are vibrant in color and lasting in looks!'. Below this, there is a 'Products' section with a list of products: 'Blood Red Magnetic Nail Polish', 'Vivid yet dark blood red base with red-to-orange magnetic pigment.', 'Price: 12.5', and 'Quantity: 1'. An 'Add to Cart' button is next to the product. There is also a 'Reviews' section with a list of reviews: 'CHClover101: This nail polish is amazing!', 'CHClover101: This nail polish is bad!', and 'MAT101: This nail polish is nice!'. Below the reviews, there is a 'Leave a Review' section with a text input field for 'Your Review:' and a 'Submit Review' button. The browser's taskbar at the bottom shows various application icons and the system clock.

4. Customer adds/removes a product from the cart.

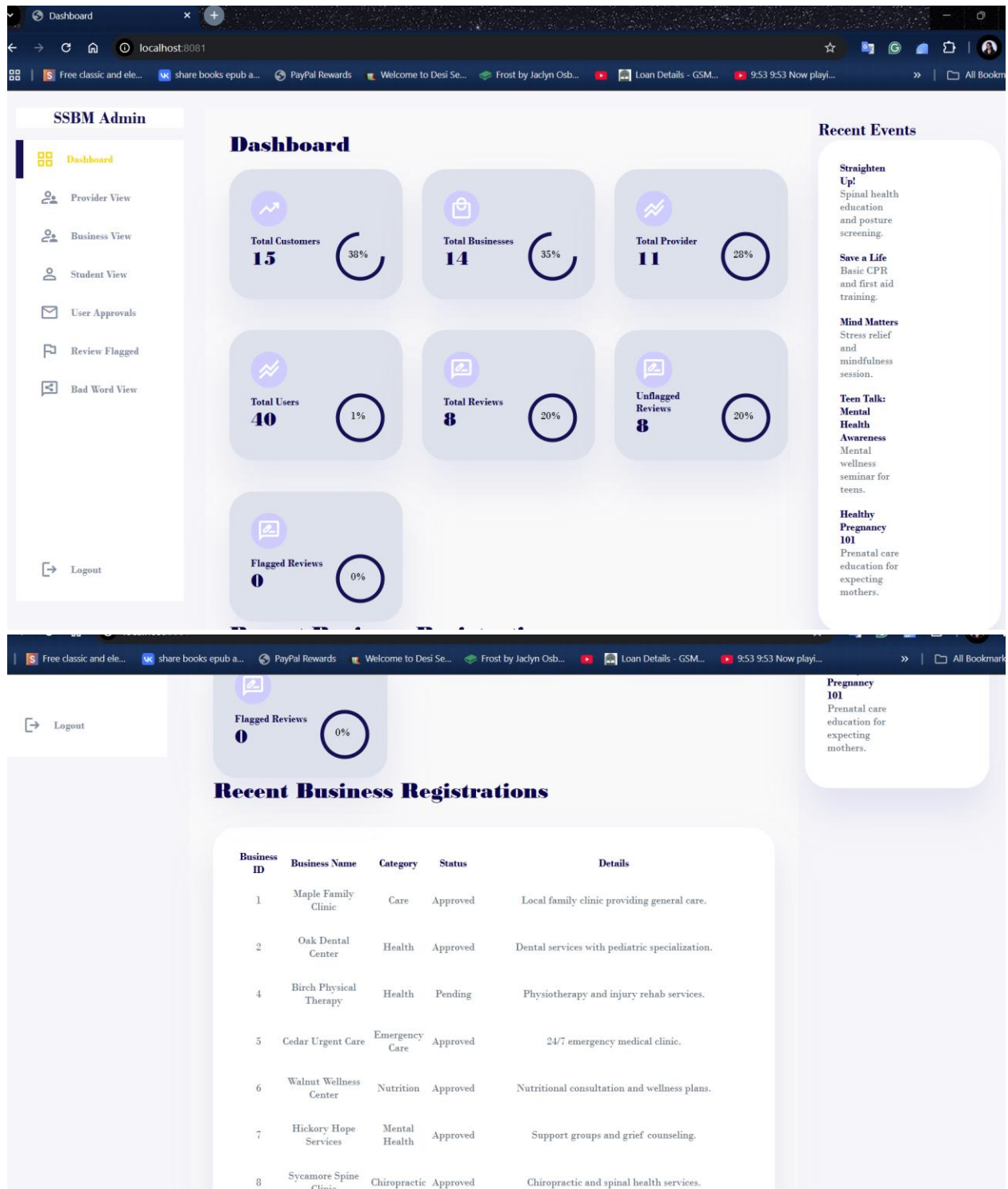


Scenarios With Screenshots (Admin) – Reba Aliah Mathews

1. Admin Login



2. Admin Dashboard : Listing the total users, total reviews, reviews flagged and unflagged, Recently Added Businesses, List of Events



3. Admin Business Views: Ability to Add businesses

SSBM Admin

Dashboard

Provider View

Business View

Student View

User Approvals

Review Flagged

Bad Word View

Logout

Business View

Search Business by Name

Delete Business

Restrict Business

Unrestrict Business

Add Business

Business Name

Enter business name

Provider ID

i.e 201

Business Category

i.e cafe

Recent Update

Recent Events

Straighten Up!
Spinal health education and posture screening.

Save a Life
Basic CPR and first aid training.

Mind Matters
Stress relief and mindfulness session.

Teen Talk: Mental Health Awareness
Mental wellness seminar for teens.

Business View

Student View

User Approvals

Review Flagged

Bad Word View

Logout

Add Business

Business Name

Scenario 1

Provider ID

1

Business Category

Scenario

Business Description

Scenario Demo

Business Address

Scenario place

Submit

UPDATE on businesses 2 - Approved business

UPDATE on businesses 2 - Unrestricted business

UPDATE on businesses 3 - Rejected business

UPDATE on businesses 3 - Rejected business

UPDATE on businesses 2 - Approved business

UPDATE on businesses 1 - Approved business

UPDATE on businesses 1 - Unrestricted business

Recent Events

Straighten Up!
Spinal health education and posture screening.

Save a Life
Basic CPR and first aid training.

Mind Matters
Stress relief and mindfulness

16	rge	sfsdf	Pending	false	f sdf
17	rge	sfsdf	Pending	false	f sdf
18	Scenario 1	Scenario	Pending	false	Scenario Demo

4. Admin Business View: Ability to delete a selected row from business table

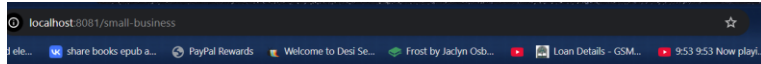
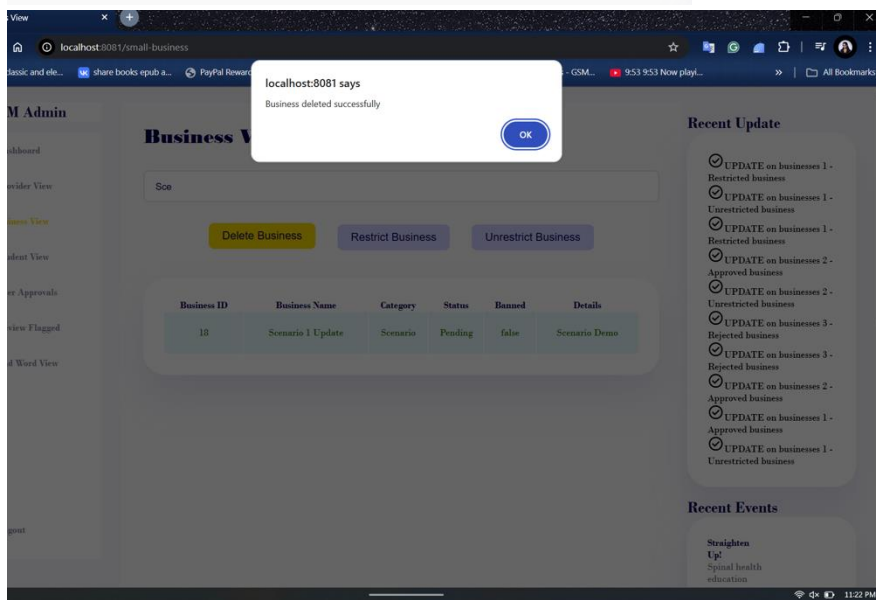
Soe

Delete Business

Restrict Business

Unrestrict Business

Business ID	Business Name	Category	Status	Banned	Details
18	Scenario 1	Scenario	Pending	false	Scenario Demo



min

Business View

Soe

Delete Business

Restrict Business

Unrestrict Business

Business ID	Business Name	Category	Status	Banned	Details
-------------	---------------	----------	--------	--------	---------

5. Admin Business View: Ability to update a selected row from business table, the form is prefilled with the information.

Delete Business

Restrict Business

Unrestrict Business

Business ID	Business Name	Category	Status	Banned	Details
18	Scenario 1	Scenario	Pending	false	Scenario Demo

Edit Business #18

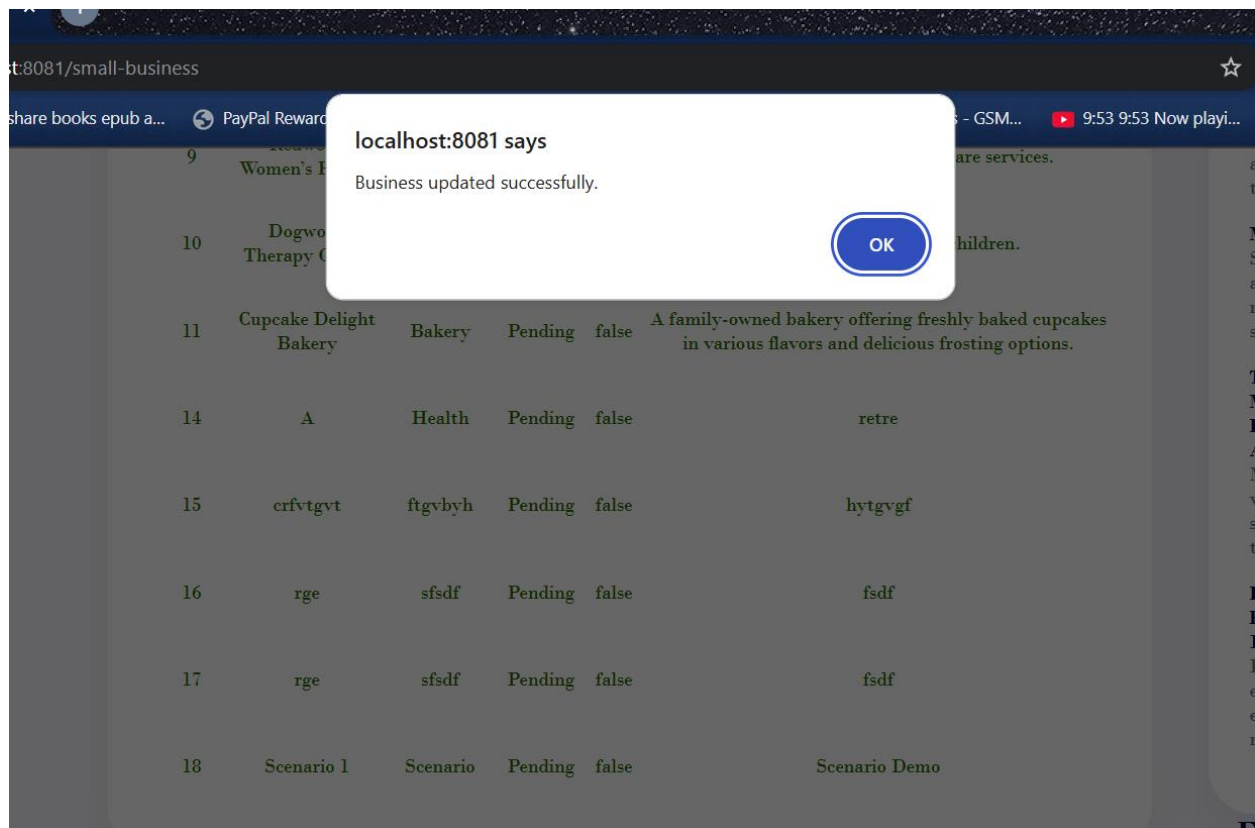
Scenario 1 Update

Scenario place

Scenario Demo

Scenario

Update



Delete Business

Restrict Business

Unrestrict Business

Business ID	Business Name	Category	Status	Banned	Details
18	Scenario 1 Update	Scenario	Pending	false	Scenario Demo

6. Admin Business View: Ability to see any recent updates done to the table.

Recent Update

✔ UPDATE on businesses 1 - Restricted business

✔ UPDATE on businesses 1 - Unrestricted business

✔ UPDATE on businesses 1 - Restricted business

✔ UPDATE on businesses 2 - Approved business

✔ UPDATE on businesses 2 - Unrestricted business

✔ UPDATE on businesses 3 - Rejected business

✔ UPDATE on businesses 3 - Rejected business

✔ UPDATE on businesses 2 - Approved business

✔ UPDATE on businesses 1 - Approved business

✔ UPDATE on businesses 1 - Unrestricted business

7. Admin Business View: Ability to search up a business using business name.

Business View

Sce

Delete Business

Restrict Business

Unrestrict Business

Business ID	Business Name	Category	Status	Banned	Details
18	Scenario 1	Scenario	Pending	false	Scenario Demo

8. Admin Business View : Ability to see list of businesses, with visual representation of restricted or unrestricted.

Business ID	Business Name	Category	Status	Banned	Details
1	Maple Family Clinic	Care	Approved	true	Local family clinic providing general care.
2	Oak Dental Center	Health	Approved	false	Dental services with pediatric specialization.
4	Birch Physical Therapy	Health	Pending	true	Physiotherapy and injury rehab services.
5	Cedar Urgent Care	Emergency Care	Approved	false	24/7 emergency medical clinic.
6	Walnut Wellness Center	Nutrition	Approved	false	Nutritional consultation and wellness plans.
7	Hickory Hope Services	Mental Health	Approved	false	Support groups and grief counseling.
8	Sycamore Spine Clinic	Chiropractic	Approved	false	Chiropractic and spinal health services.
9	Redwood Women's Health	Obstetrics	Approved	false	Prenatal and maternal healthcare services.

session.

Teen Talk: Mental Health Awareness
Mental wellness seminar for teens.

Healthy Pregnancy 101
Prenatal care education for expecting mothers.

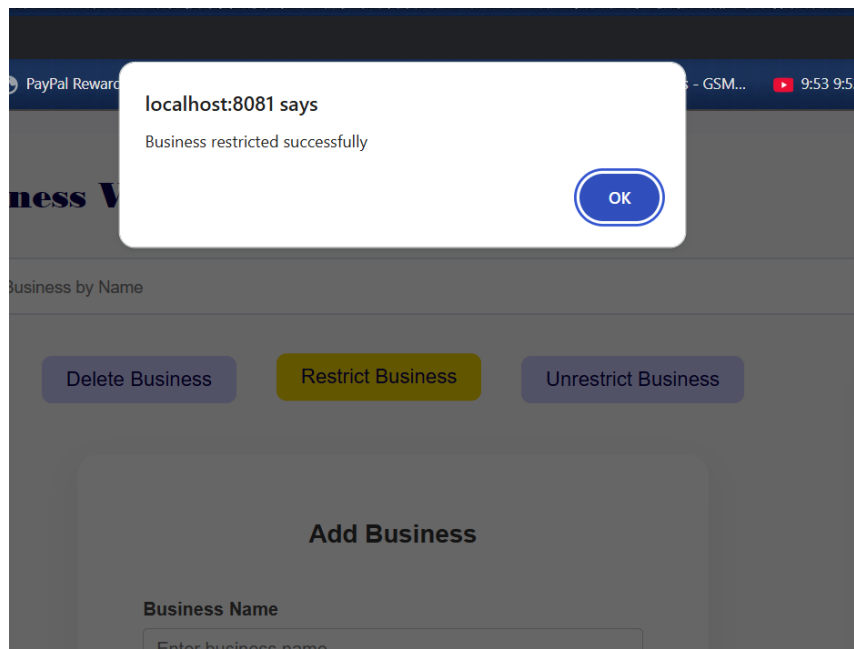
Edit Business #4

Birch Physical Therapy
404 Birch Ln, Cary, NC
Physiotherapy and injury rehab
Health

Update

9. Admin Business View: Ability to restrict a selected row from business table.

Business ID	Business Name	Category	Status	Banned	Details
1	Maple Family Clinic	Care	Approved	false	Local family clinic providing general care.
2	Oak Dental Center	Health	Approved	false	Dental services with pediatric specialization.
4	Birch Physical Therapy	Health	Pending	false	Physiotherapy and injury rehab services.
5	Cedar Urgent Care	Emergency Care	Approved	false	24/7 emergency medical clinic.
6	Walnut Wellness Center	Nutrition	Approved	false	Nutritional consultation and wellness plans.

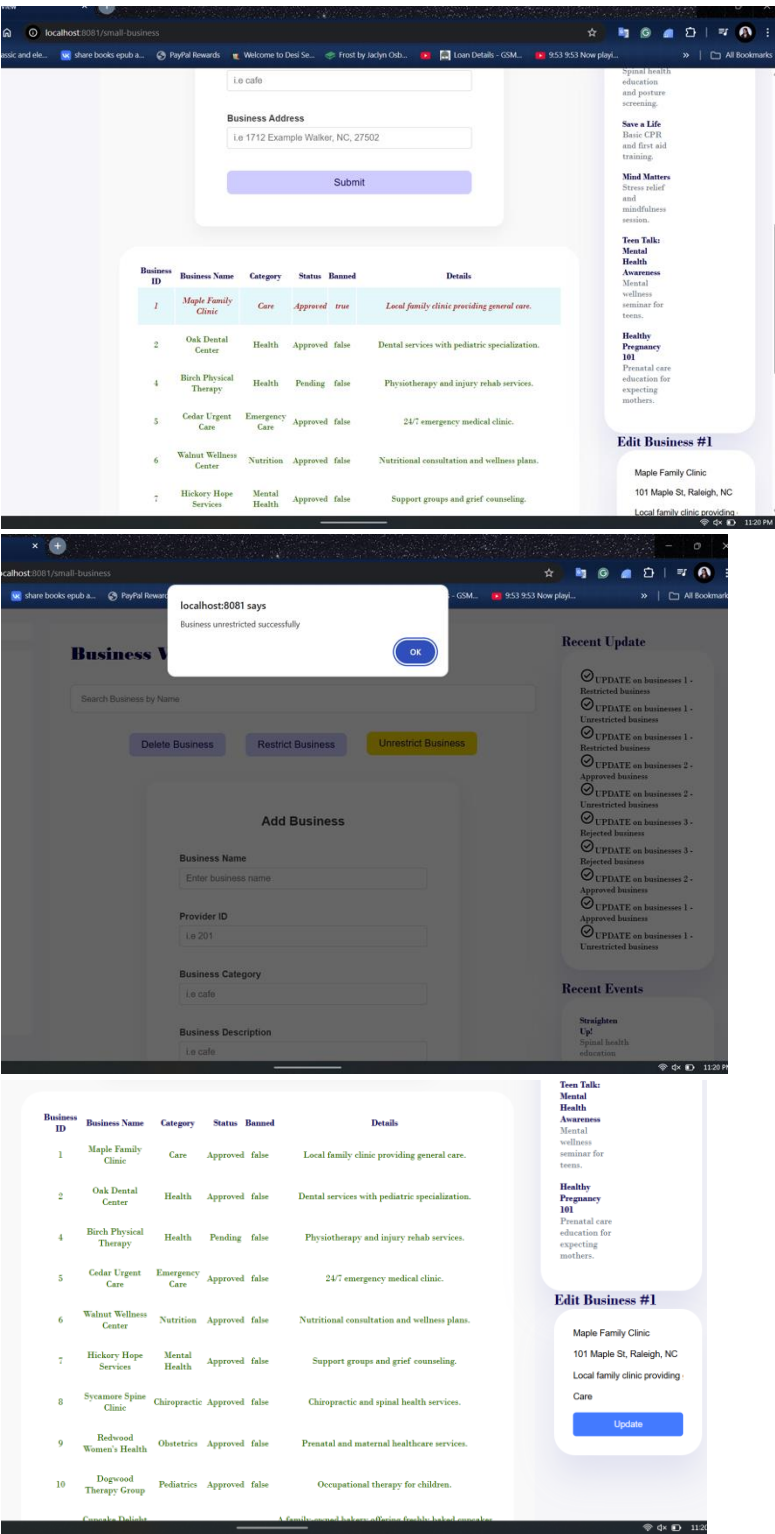


Business ID	Business Name	Category	Status	Banned	Details
1	Maple Family Clinic	Care	Approved	true	Local family clinic providing general care.
2	Oak Dental Center	Health	Approved	false	Dental services with pediatric specialization.
4	Birch Physical Therapy	Health	Pending	false	Physiotherapy and injury rehab services.
5	Cedar Urgent Care	Emergency Care	Approved	false	24/7 emergency medical clinic.

Walnut Wellness

10. Admin Business View: Ability to unrestrict a selected row from business if already restricted.

Business ID	Business Name	Category	Status	Banned	Details
1	Maple Family Clinic	Care	Approved	true	Local family clinic providing general care.
2	Oak Dental Center	Health	Approved	false	Dental services with pediatric specialization.
4	Birch Physical Therapy	Health	Pending	false	Physiotherapy and injury rehab services.
5	Cedar Urgent Care	Emergency Care	Approved	false	24/7 emergency medical clinic.
	Walnut Wellness				



1. Admin Student Views: Ability to Add Student

Add Student

Username

i.e username

Password

password

Name

Enter student name

Email

j@adf.com

Phone

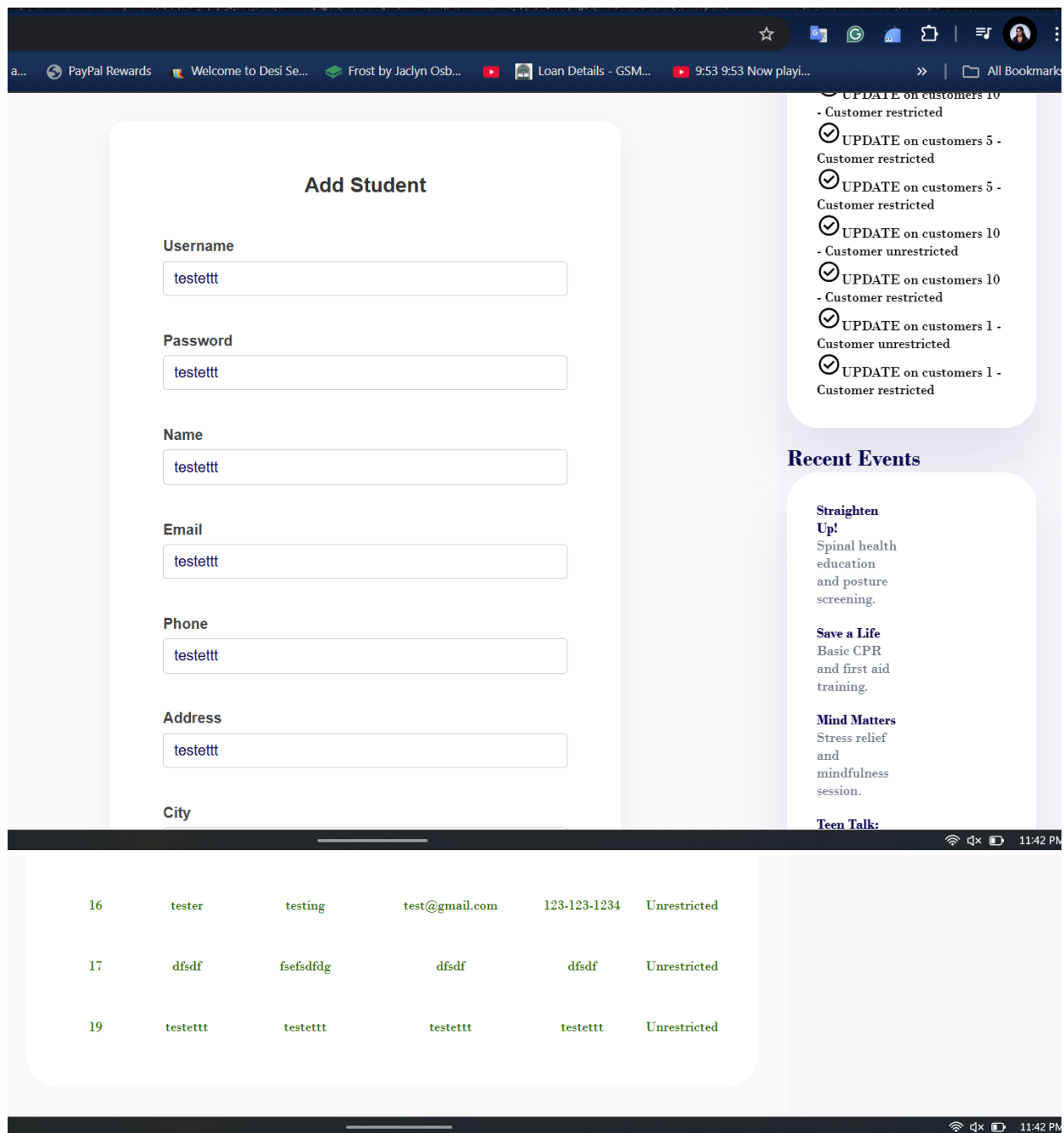
#123-123-1234

Address

1234 island dr.

City

i.e Apex



2. Admin Student Views: Ability to delete student

16	tester	testing	test@gmail.com	123-123-1234	Unrestricted
17	dfsdf	fsefsdfdg	dfsdf	dfsdf	Unrestricted
18	thhie	igrhk	uioas	1233454	Unrestricted

Healthy Pregnancy 101

Prenatal care education for expecting mothers.

Edit Customer

igrhk

isdv

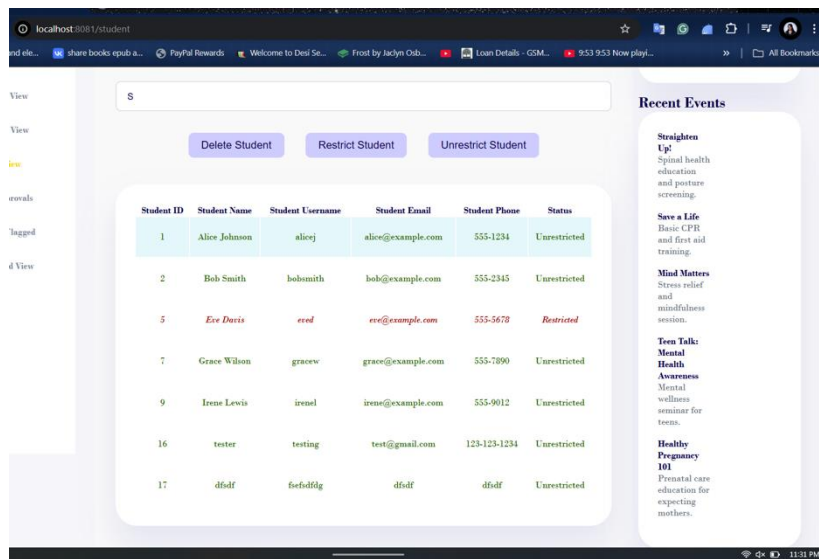
thhie

uioas

1233454

14	name	username	emails@gmail.com	1231231234	Unrestricted
15	name1	username1	emails1@gmail.com	1231231234	Unrestricted
16	tester	testing	test@gmail.com	123-123-1234	Unrestricted
17	dfsdf	fsefsdfdg	dfsdf	dfsdf	Unrestricted

3. Admin Student Views: Ability to update student



Edit Customer #1

alicej

pass123

Alice Johnson

alice@example.com

555-1234

123 Maple St

Raleigh

27601

Approved

USA

Update

4. Admin Student Views: Abilit to see recent updates

Edit Customer #1

Update

S

Delete Student

Restrict Student

Unrestrict Student

Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	updated	alice@example.com	555-1234	Unrestricted

5. Admin Student Views: Ability to see recent events

678 *Restricted*

789 Unrestricted

890 Unrestricted

901 Unrestricted

012 Unrestricted

123 *Restricted*

1234 Unrestricted

1234 Unrestricted

-1234 Unrestricted

1f Unrestricted

454 Unrestricted

Recent Events

Straighten Up!

Spinal health education and posture screening.

Save a Life

Basic CPR and first aid training.

Mind Matters

Stress relief and mindfulness session.

Teen Talk:

Mental Health Awareness

Mental wellness seminar for teens.

Healthy Pregnancy 101

Prenatal care education for expecting mothers.

6. Admin Student Views: Ability to select rows

localhost:8081/student

share books epub a...

PayPal Rewards

Welcome to Desi Se...

Frost by Jaclyn Osb...

Loan Details - GSM...

9:53 9:53 Now playi...

All Bookmarks

View

View

iew

rovals

laged

d View

S

Delete Student

Restrict Student

Unrestrict Student

Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	alicej	alice@example.com	555-1234	Unrestricted
2	Bob Smith	bobsmith	bob@example.com	555-2345	Unrestricted
5	Eve Davis	eved	eve@example.com	555-5678	Restricted
7	Grace Wilson	gracew	grace@example.com	555-7890	Unrestricted
9	Irene Lewis	irenel	irene@example.com	555-9012	Unrestricted
16	tester	testing	test@gmail.com	123-123-1234	Unrestricted
17	dfsdf	fsefsdfdg	dfsdf	dfsdf	Unrestricted

Recent Events

Straighten Up!
 Spinal health education and posture screening.

Save a Life
 Basic CPR and first aid training.

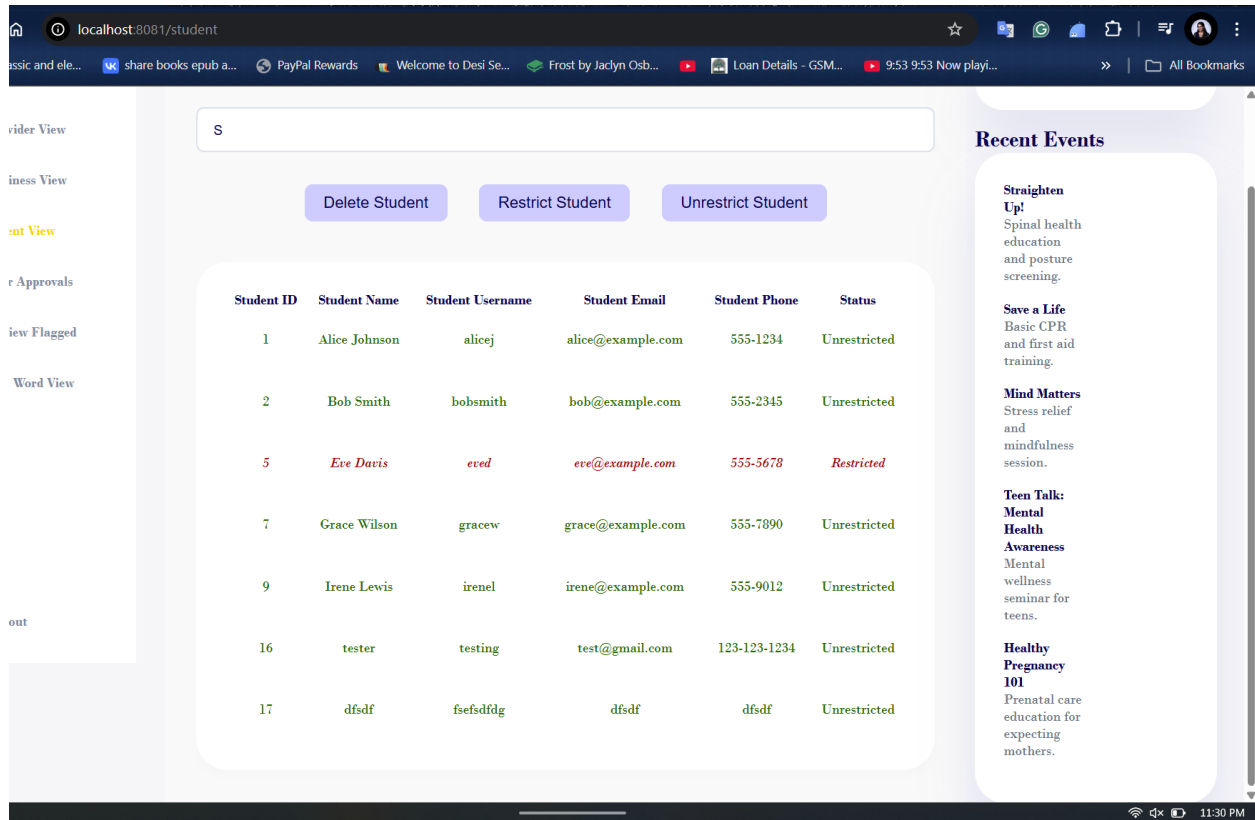
Mind Matters
 Stress relief and mindfulness session.

Teen Talk: Mental Health Awareness
 Mental wellness seminar for teens.

Healthy Pregnancy 101
 Prenatal care education for expecting mothers.

11:31 PM

7.Admin Student Views: Ability to see students restricted vs not restricted visually



8. Admin Student Views: Ability to restrict a student

S

Delete Student

Restrict Student

Unrestrict Student

Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	updated	alice@example.com	555-1234	Unrestricted
2	Bob Smith	bobsmith	bob@example.com	555-2345	Unrestricted
3	Carol Lee	carollee	carol@example.com	555-3456	Unrestricted
4	Dan Miller	danm	dan@example.com	555-4567	Unrestricted
5	Eve Davis	eved	eve@example.com	555-5678	Restricted
6	Frank Brown	frankb	frank@example.com	555-6789	Unrestricted

✔ UPDATE on customers 5 - Customer restricted

✔ UPDATE on customers 10 - Customer unrestricted

✔ UPDATE on customers 5 - Customer unrestricted

✔ UPDATE on customers 10 - Customer restricted

✔ UPDATE on customers 5 - Customer restricted

✔ UPDATE on customers 5 - Customer restricted

✔ UPDATE on customers 10 - Customer unrestricted

✔ UPDATE on customers 10 - Customer restricted

✔ UPDATE on customers 1 - Customer unrestricted

✔ UPDATE on customers 1 - Customer restricted

Recent Events

Straighten Up!

Spinal health education

localhost:8081/student

ele... share books epub a... PayPal Rewards Welcome to Desi Se... Frost by Jaclyn Osb... Loan Details - GSM... 9:53 9:53 N

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Student View

S

Delete Student

Restrict Student

Unrestrict Student

Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	updated	alice@example.com	555-1234	Restricted
2	Bob Smith	bobsmith	bob@example.com	555-2345	Unrestricted

9. Admin Student Views: Ability to unrestrict students

min

Student View

w

w

als

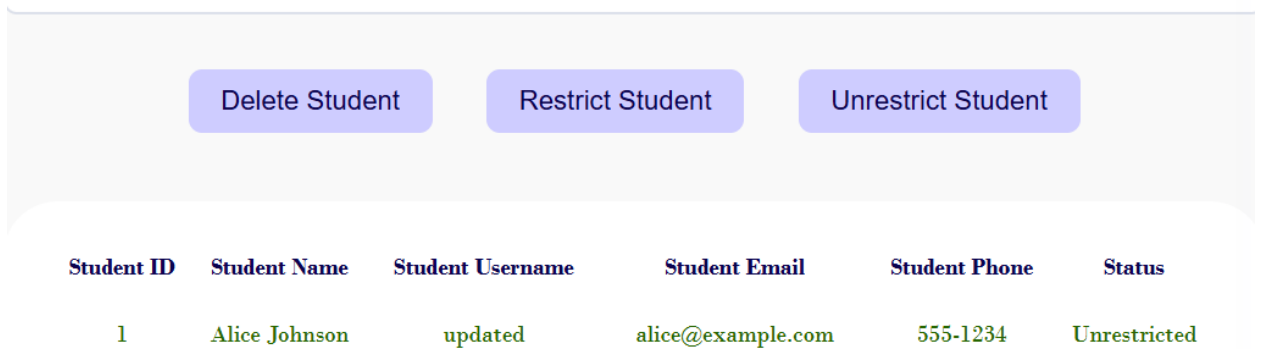
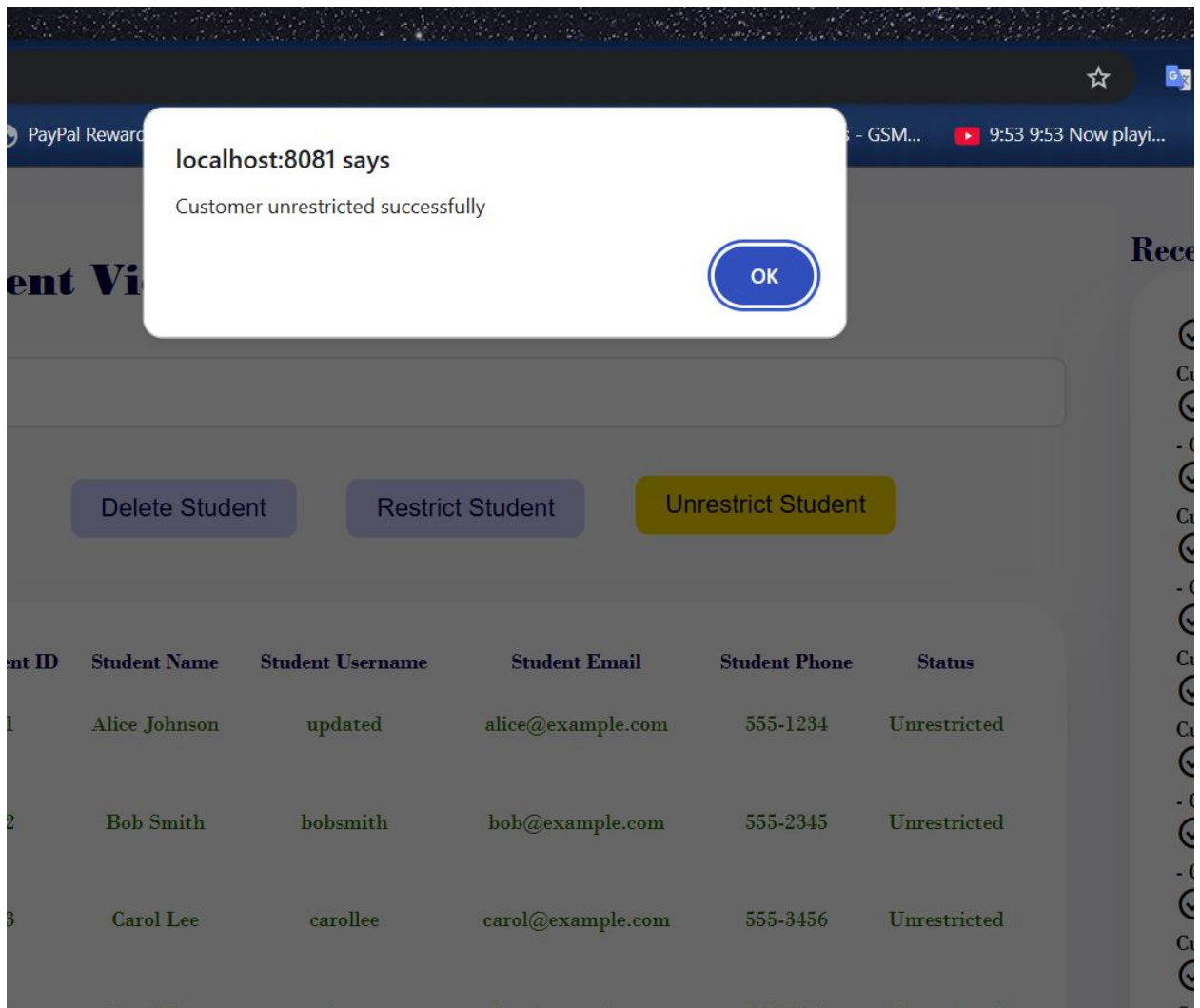
ged

ew

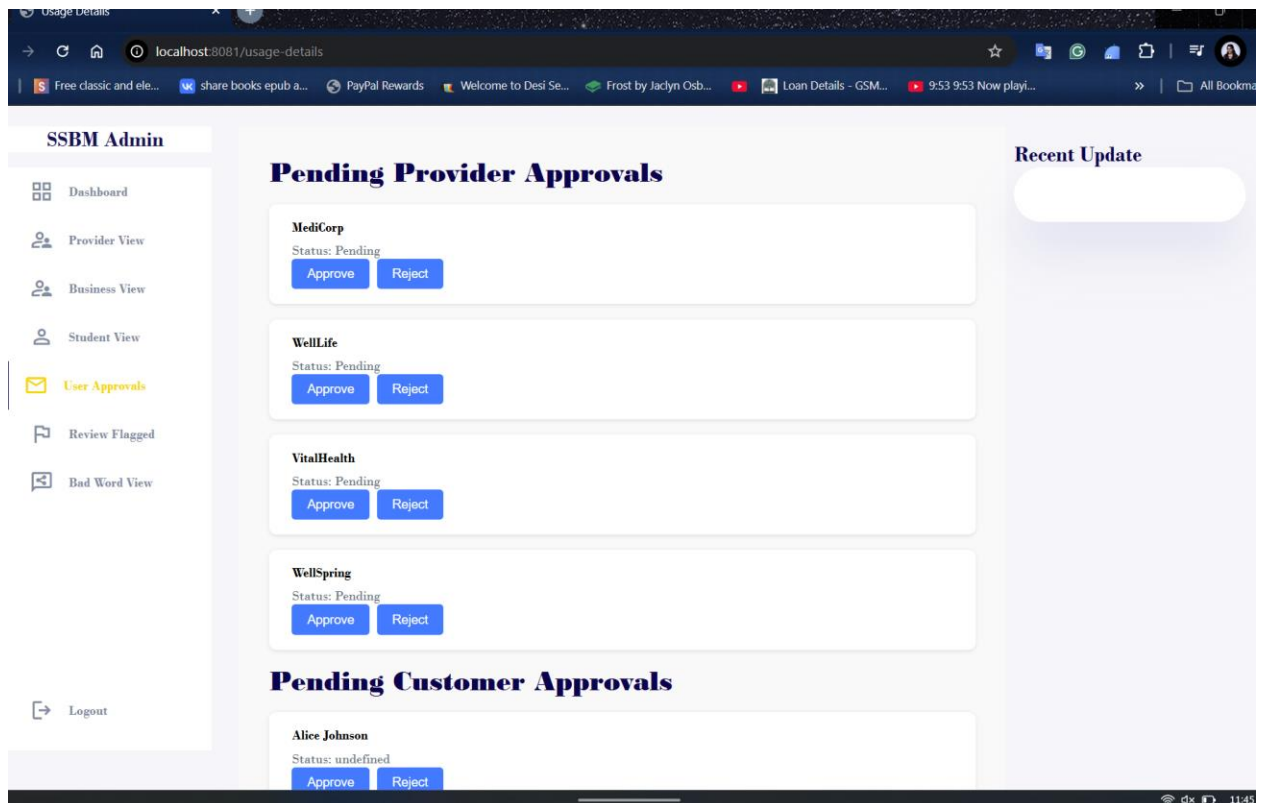
S

- Delete Student
- Restrict Student
- Unrestrict Student

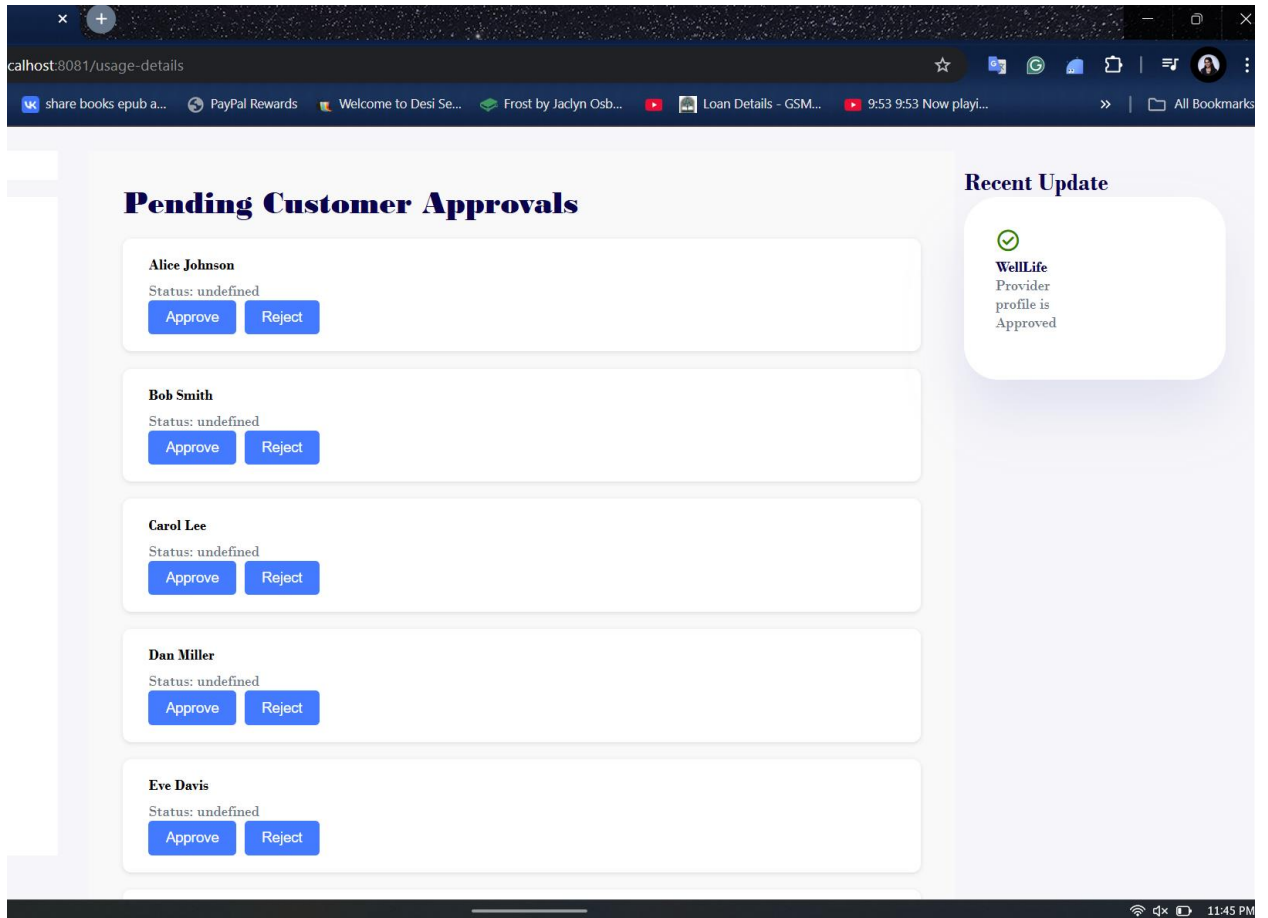
Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	updated	alice@example.com	555-1234	Restricted
2	Bob Smith	bobsmith	bob@example.com	555-2345	Unrestricted



10. Admin User Approvals Views:



3. Admin User Approval View: Approve a user



1. Admin Flagged Reviews View: List the flagged reviews

Flagged Reviews

Delete Review

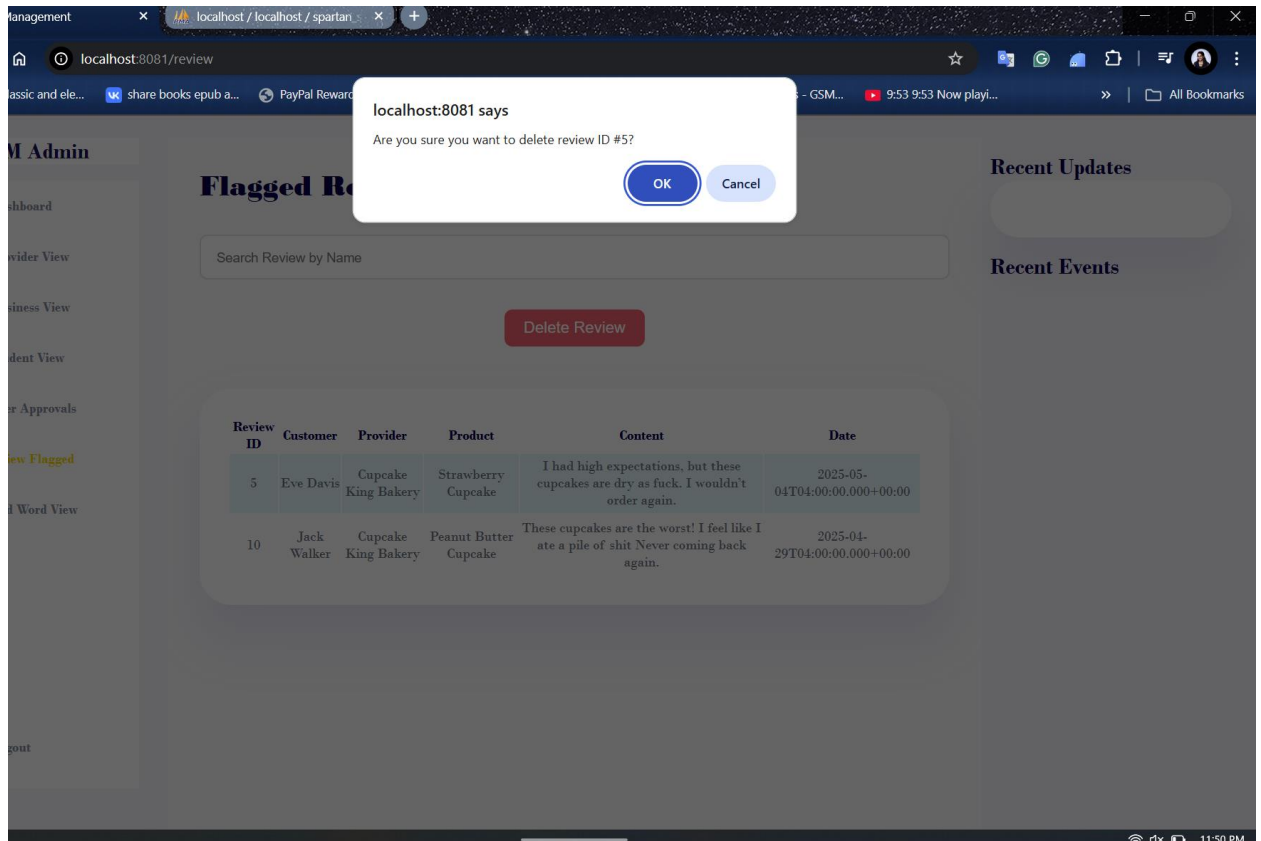
Review ID	Customer	Provider	Product	Content	Date
5	Eve Davis	Cupcake King Bakery	Strawberry Cupcake	I had high expectations, but these cupcakes are dry as fuck. I wouldn't order again.	2025-05-04T04:00:00.000+00:00
10	Jack Walker	Cupcake King Bakery	Peanut Butter Cupcake	These cupcakes are the worst! I feel like I ate a pile of shit Never coming back again.	2025-04-29T04:00:00.000+00:00

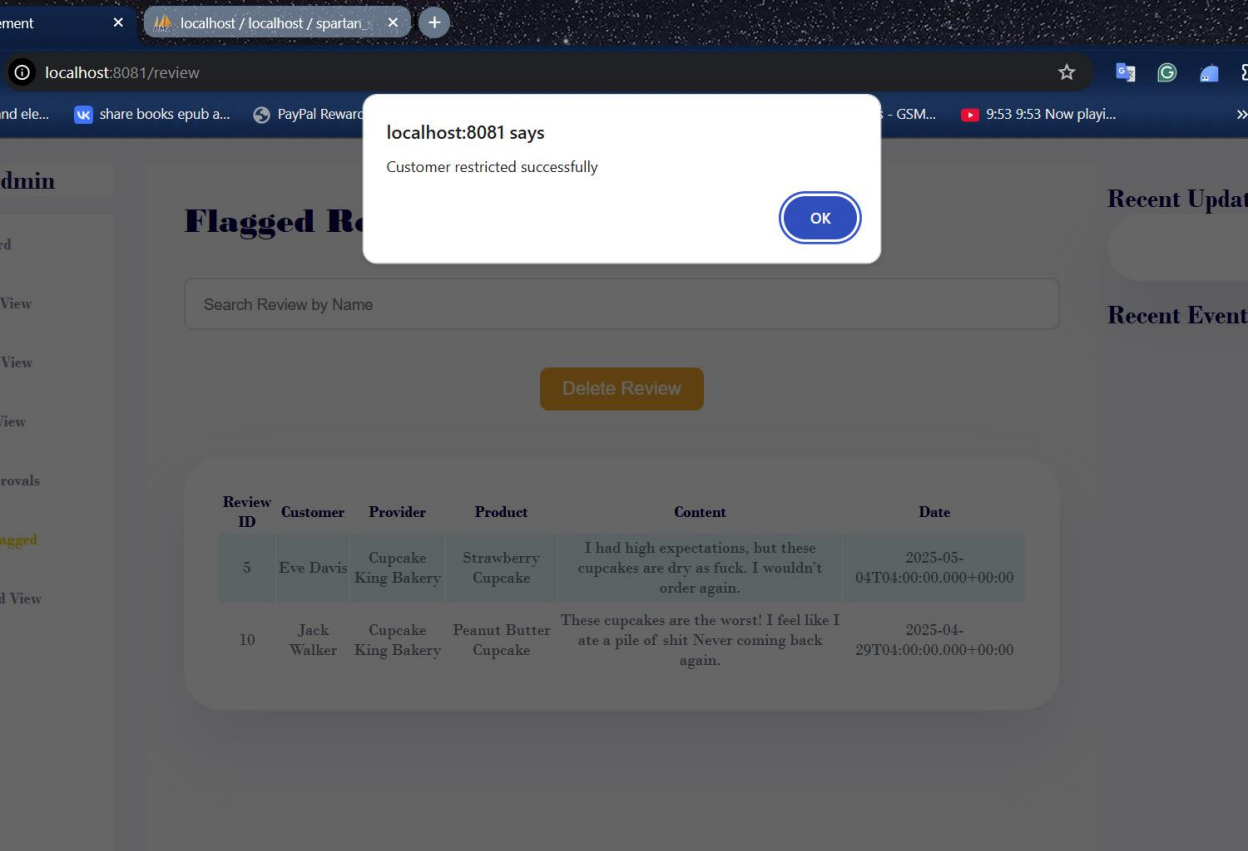
- Admin Flagged Reviews View: Restrict a customer/ Delete Comment

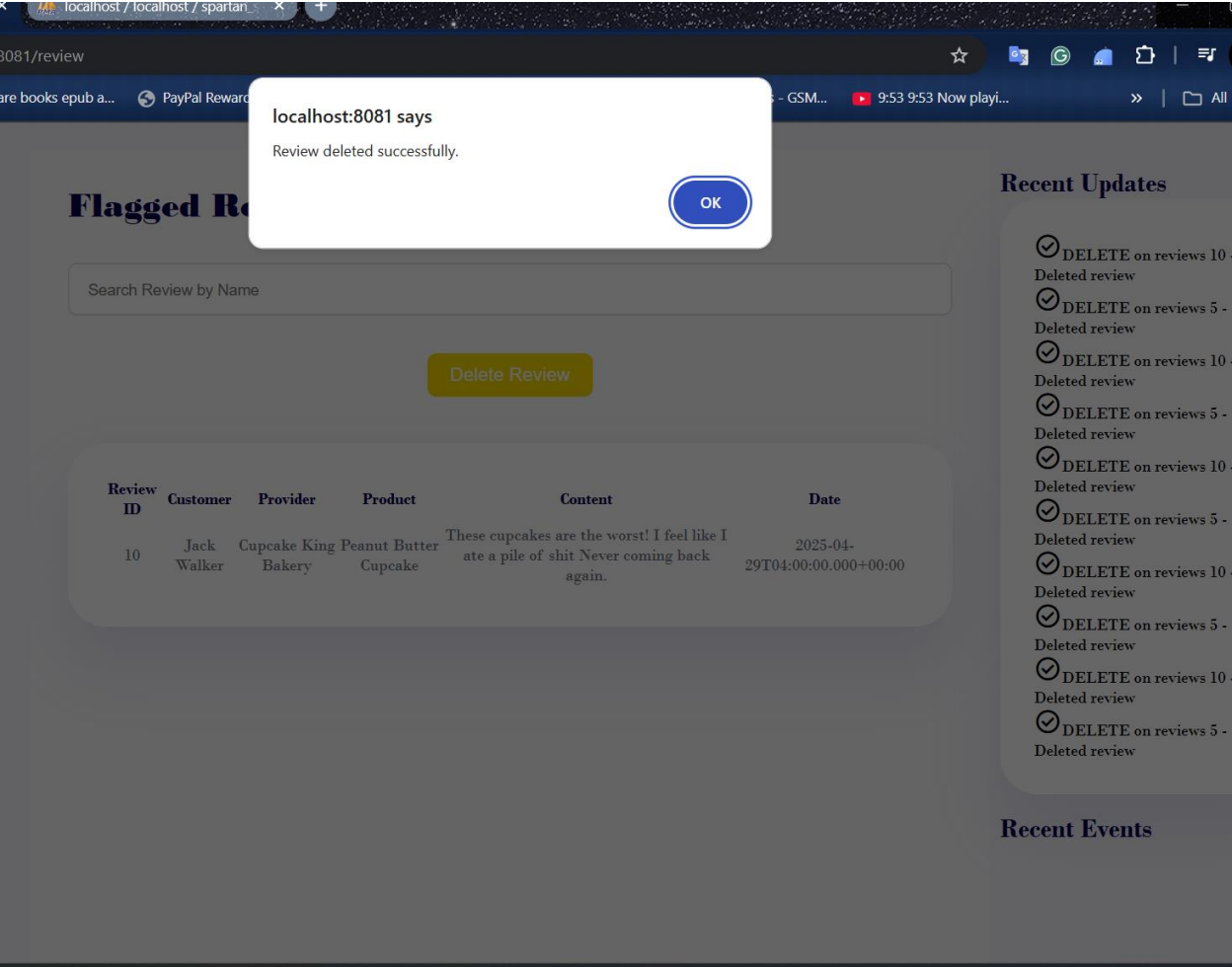
Flagged Reviews

Delete Review

Review ID	Customer	Provider	Product	Content	Date
5	Eve Davis	Cupcake King Bakery	Strawberry Cupcake	I had high expectations, but these cupcakes are dry as fuck. I wouldn't order again.	2025-05-04T04:00:00.000+00:00
10	Jack Walker	Cupcake King Bakery	Peanut Butter Cupcake	These cupcakes are the worst! I feel like I ate a pile of shit Never coming back again.	2025-04-29T04:00:00.000+00:00







Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	updated	alice@example.com	555-1234	Restricted
2	Bob Smith	bobsmith	bob@example.com	555-2345	Unrestricted
3	Carol Lee	carollee	carol@example.com	555-3456	Unrestricted
4	Dan Miller	danm	dan@example.com	555-4567	Restricted
5	Eve Davis	eved	eve@example.com	555-5678	Unrestricted
6	Frank Brown	frankb	frank@example.com	555-6789	Unrestricted
7	Grace Wilson	gracew	grace@example.com	555-7890	Unrestricted
8	Henry Clark	henryc	henry@example.com	555-8901	Unrestricted
9	Irene Lewis	irenel	irene@example.com	555-9012	Unrestricted

Student ID	Student Name	Student Username	Student Email	Student Phone	Status
1	Alice Johnson	updated	alice@example.com	555-1234	Restricted
2	Bob Smith	bobsmith	bob@example.com	555-2345	Unrestricted
3	Carol Lee	carollee	carol@example.com	555-3456	Unrestricted
4	Dan Miller	danm	dan@example.com	555-4567	Restricted
5	Eve Davis	eved	eve@example.com	555-5678	Restricted
6	Frank Brown	frankb	frank@example.com	555-6789	Unrestricted
7	Grace Wilson	gracew	grace@example.com	555-7890	Unrestricted
8	Henry Clark	henryc	henry@example.com	555-8901	Unrestricted
9	Irene Lewis	irenel	irene@example.com	555-9012	Unrestricted
10	Jack Walker	jackw	jack@example.com	555-0123	Unrestricted

3. Admin Flagged Reviews View: Searching function

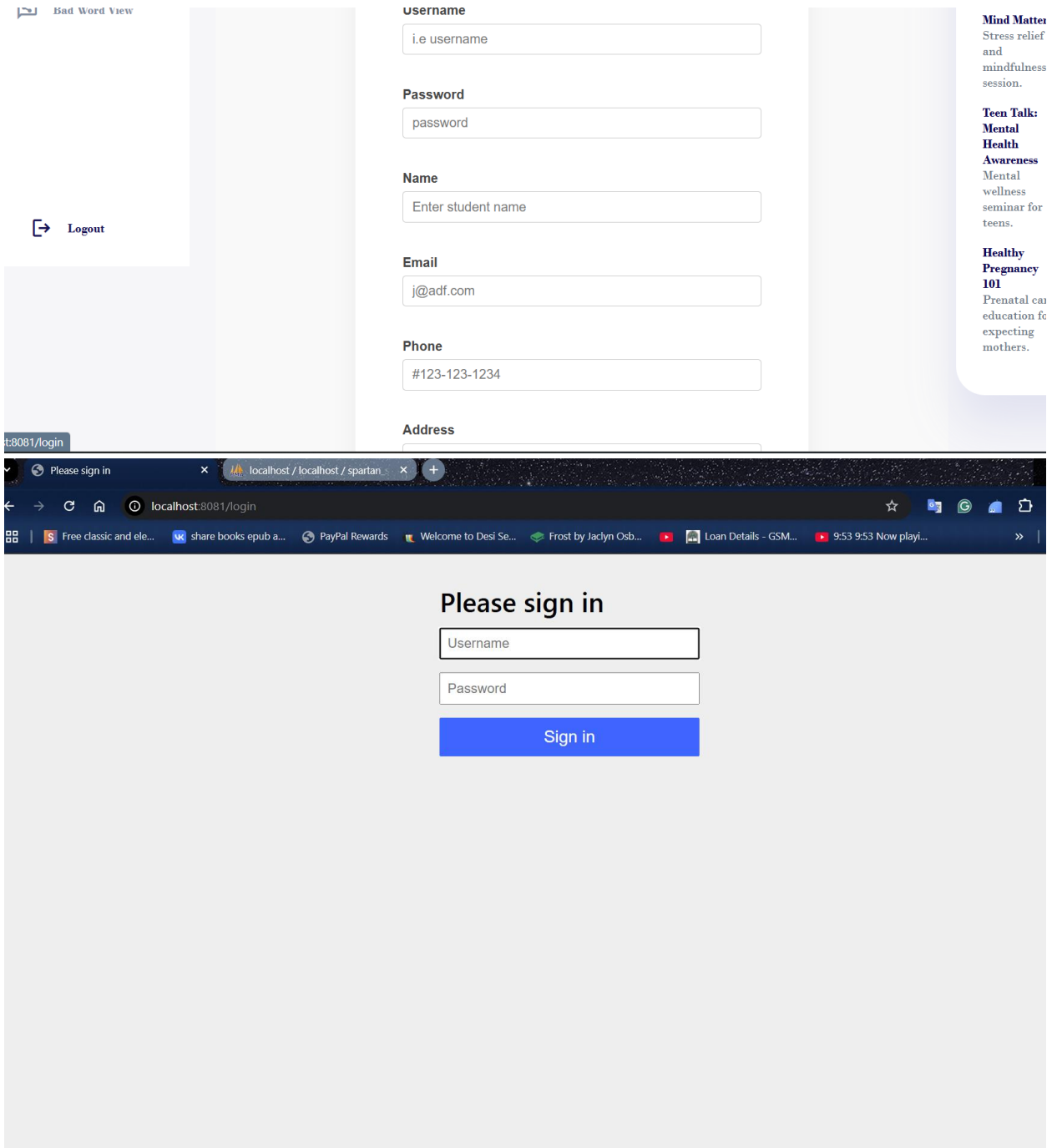
Flagged Reviews

J

Delete Review

Review ID	Customer	Provider	Product	Content	Date
10	Jack Walker	Cupcake King Bakery	Peanut Butter Cupcake	These cupcakes are the worst! I feel like I ate a pile of shit Never coming back again.	2025-04-29T04:00:00.000+00:00

1. Admin Logout View

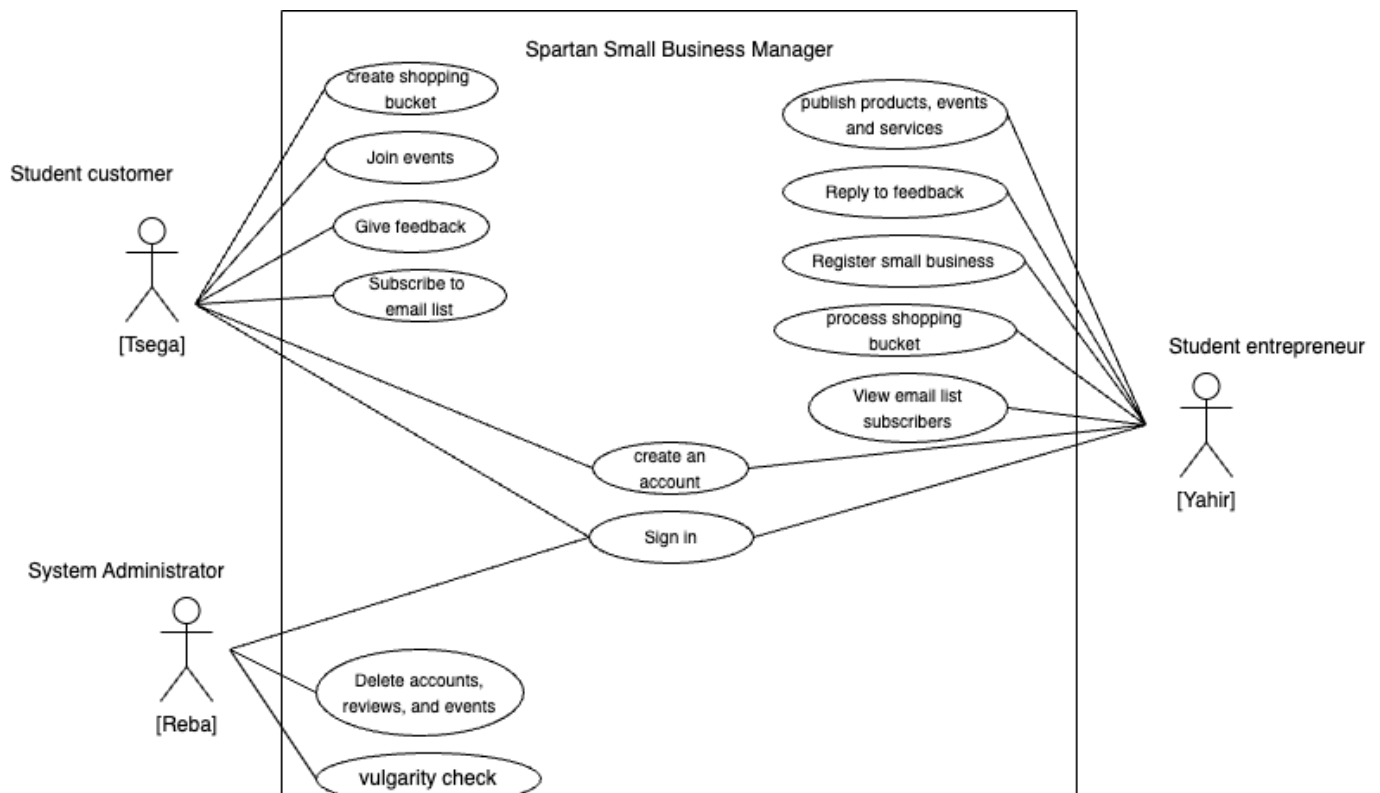


Project Design

1. Project Overview

The app will provide a platform for the small business entrepreneurs at UNCG to promote their business. Other students can join the website as a customer and see the multiple businesses. It is like a TikTok shop but for UNCG entrepreneurs. It gives them a platform to promote sales. The customers can sign up for newsletters to know about events, deals, or pop stores. The app is a place for connection between entrepreneurs and the student body. It will centralize the events that are conducted to promote the services provided by the student entrepreneurs, giving them more sales.

2. Use-Case Model



3. Database Schema

