

## Deliverable 4: Wireframes & Feature Plan

CSC425 Fall 2025

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GitHub REPO URL: <https://github.com/sameerthapax/Multi-Page-Website>

Branch Name: d2-sameer-thapa

### 1. Low-Fidelity Wireframes (Mobile-First)

- Login Screen

The image displays two side-by-side wireframes of a login screen, illustrating a design choice between a dark theme and a light theme. Both wireframes are structured identically, featuring a 'Welcome Back' header, input fields for 'Email' and 'Password', a red error message 'Invalid credentials. Please try again.', a 'Forgot Password?' link, and four buttons: 'Login', 'Sign Up', 'Continue with Google', and 'Continue with Apple'.

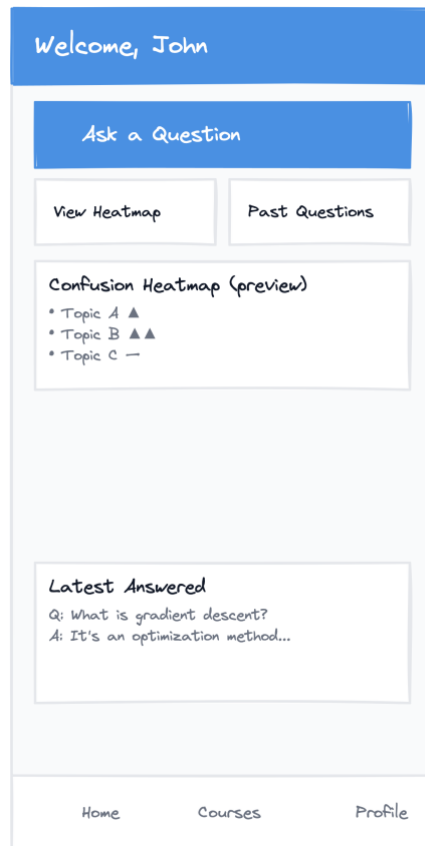
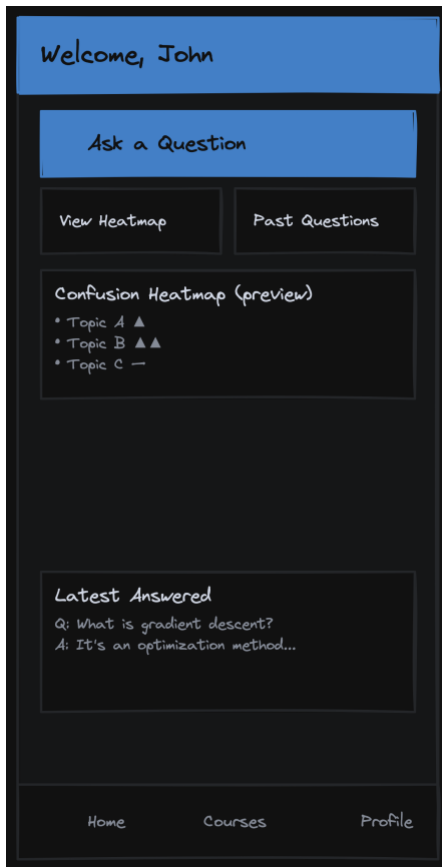
**Dark Theme Wireframe (Left):**

- Header: Welcome Back
- Email Input: you@university.edu
- Password Input: [Redacted]
- Error Message: Invalid credentials. Please try again.
- Link: Forgot Password?
- Buttons: Login, Sign Up, Continue with Google, Continue with Apple

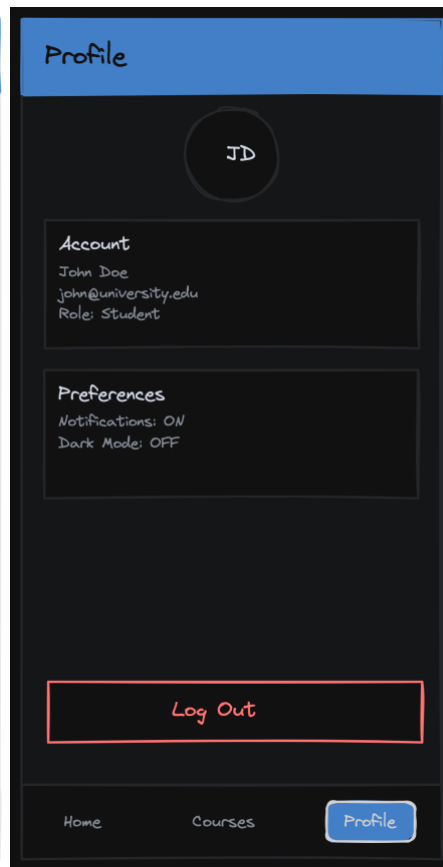
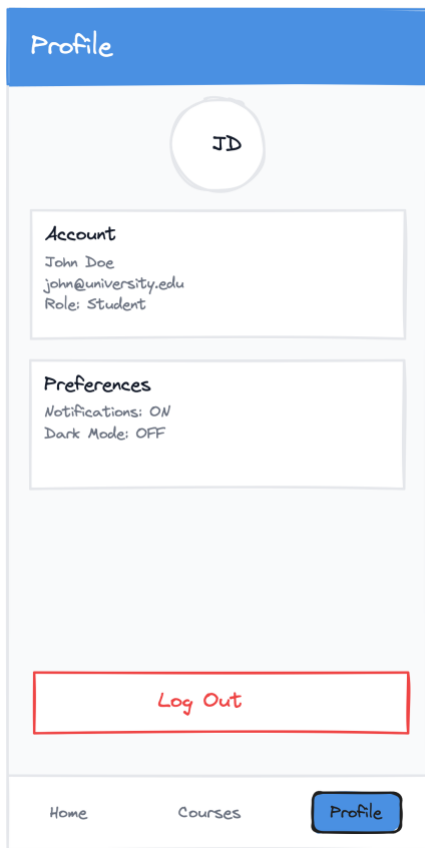
**Light Theme Wireframe (Right):**

- Header: Welcome Back
- Email Input: you@university.edu
- Password Input: [Redacted]
- Error Message: Invalid credentials. Please try again.
- Link: Forgot Password?
- Buttons: Login, Sign Up, Continue with Google, Continue with Apple

- Student Dashboard Screen



- Profile Screen



- Instructor Dashboard Screen

Instructor • CS101

Select Class: CS101 (Fall 2025) ▾

Real-time Confusion Heatmap

High: Derivatives  
Medium: Chain Rule  
Low: Limits

Analytics (Today)

Participation: 62%  
Questions Asked: 41

Address

Highlight

Dismiss

Question Clusters

[3] What is chain rule?  
[5] Why LR schedule? (AI)

Home

Courses

Profile

Instructor • CS101

Select Class: CS101 (Fall 2025) ▾

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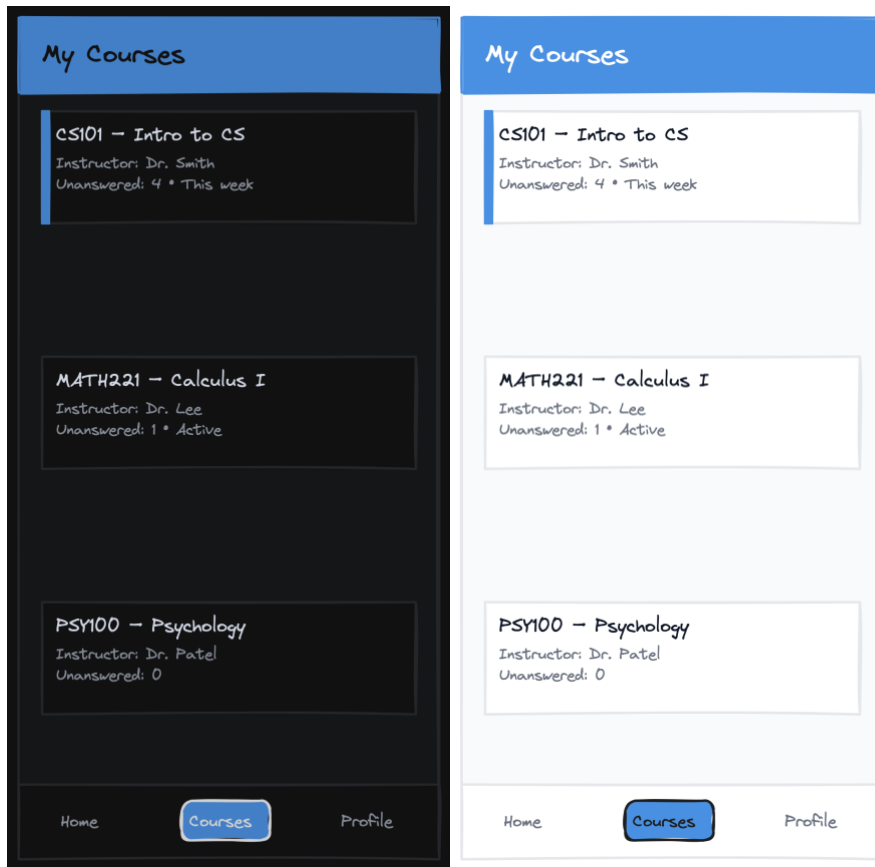
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- Courses Screen



## 2. Functional Requirements

- User authentication (sign up, login, logout)
- Anonymous Q&A submission (student-driven)
- Confusion heatmap visible to instructors
- Question clustering and AI summarization
- Navigation between core pages (Login → Dashboard → Q&A → Profile)
- Data persistence with backend (Supabase/Node.js)
- Error handling & input validation
- Instructor dashboard for aggregated analytics
- Mobile-first design with responsive UI
- Secure storage and FERPA-compliant privacy measures

### **3. User Stories**

1. As a student, I want to submit anonymous questions during lecture, so that I can get help without fear of embarrassment.
2. As an instructor, I want to see a real-time heatmap of student confusion, so that I can adjust my lecture pace accordingly.
3. As a student, I want to review all questions and instructor responses after class, so that I can study more effectively.
4. As an administrator, I want to view usage analytics across courses, so that I can evaluate adoption and learning impact.

### **4. User Journey Flow**

Option B: Written Description

1. User opens app → sees login screen.
2. User logs in successfully → redirected to dashboard.
3. Dashboard shows 'Ask a Question' and 'View Heatmap' options.
4. Student selects 'Ask a Question' → types anonymous query → submits.
5. Instructor dashboard updates in real-time with question clusters and heatmap.
6. After class, student opens app → sees list of answered questions for review.
7. User logs out → session ends.

Note:

This is my individual submission. The team will review all submissions and agree on a final version for project continuation.