



# Black Women MD Network

Amplifying Black Women  
in medicine nationwide

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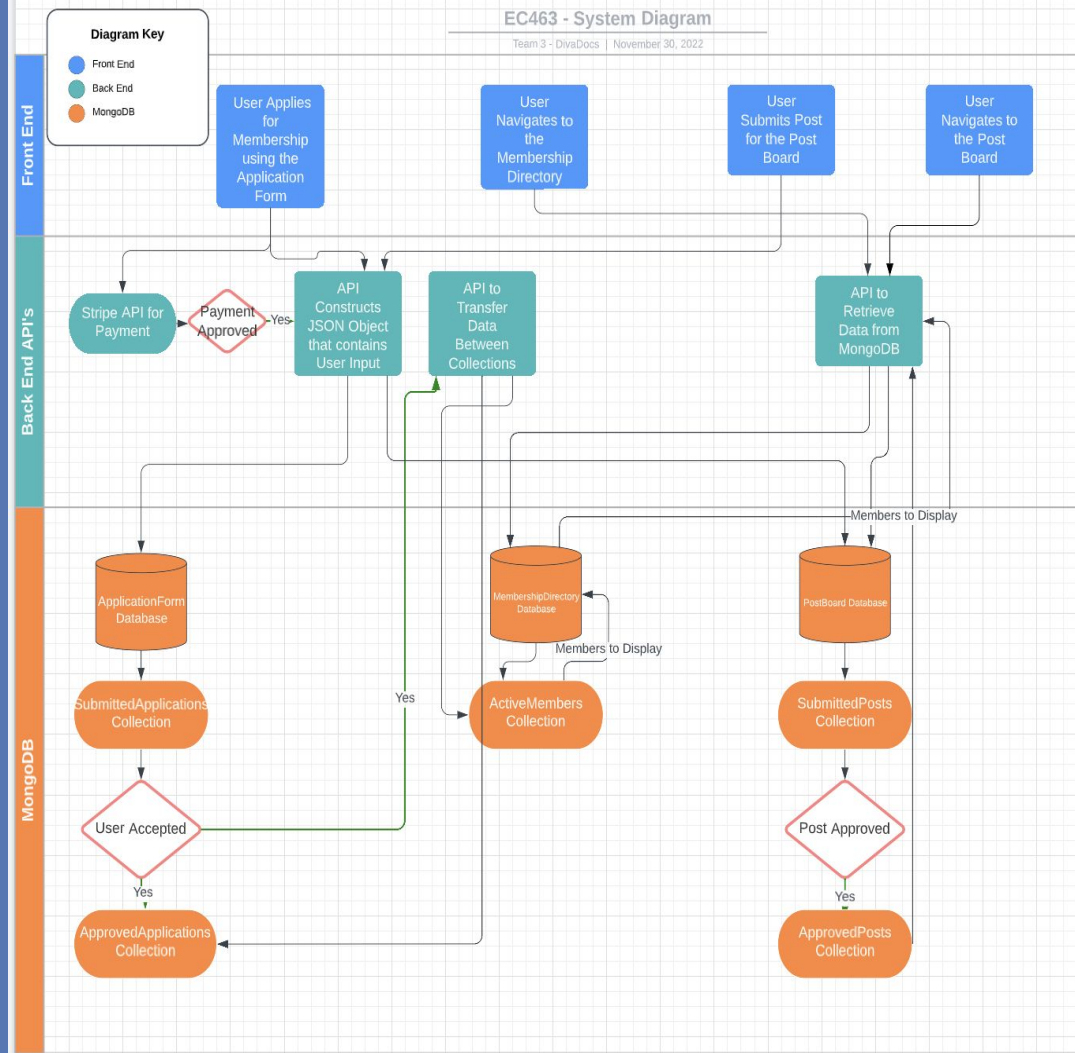
**Client:** Diva Docs Black Women MD Network

# Product Overview

# Overview

- ❑ **Diva Docs is a nonprofit organization that prepares Black women doctors for senior positions in medicine and healthcare through professional development, leadership training, personal coaching, & sponsorships.**
- ❑ **Societal Impact:**
  - ❑ **Increase health access and outcomes for the Black population and diversify the healthcare leadership and governance workforce**
- ❑ **Solution:**
  - ❑ **Application**
  - ❑ **Membership Profile Directory**
  - ❑ **Connecting with members**
  - ❑ **Tier-based subscription**

# System Design: Front-End, Back-End API's, Back-End Database (MongoDB)



Completed  
Work

# Backend

## → Application Process

- ◆ Application Form
- ◆ Admin Portal (Approve/Deny)
- ◆ Moving applicants to respective DB
  - Emails to approved and denied users (SMTP)
- ◆ Payments
  - Stripe API & Webhook
- ◆ Custom Authentication
  - Receive username and password data from frontend
  - Hash password and check in DB
  - Generate token for the user
  - FastAPI, MongoDB, JWT

## → Back-end Functionalities

- ◆ Testing for different endpoints using postman
- ◆ Deployed the API to Heroku using CLI
- ◆ Additional database operations
  - Moving applicants from approved to denied DB
  - Modifying user data to reflect the user is approved & paid
  - Get list of all approved applicants for admin portal
  - Applicant filtering based on characteristics.

# Frontend

## → Hosted website on Google firebase

- ◆ Access the website at this URL:  
<https://blackwomenmdnetwork.com>

## → Application Form

- ◆ Created an application form that users can apply to join the network
- ◆ Throws an error message if the data was not successfully sent
- ◆ Requires users to fill in required information

## → Login page

- ◆ Implemented design in React

## → Home Page

- ◆ Created a NavBar that allows users to navigate to different pages
- ◆ Added illustrious pictures and the Black Women M.D. logo to be appealing and enticing for users

## → Admin Directory

- ◆ Created a Administration page that allows administrators to easily view applicants' information
- ◆ Added buttons that are connected to the back-end in order to approve or deny them

# Work Needed for Completion



# Backend

- ❑ Finish front end and back end integration for login page
- ❑ Configure permissions for various members having access to certain pages
- ❑ Complete login page (forgot password, change user info etc) endpoints
- ❑ Membership directory APIs and integration
- ❑ Transfer database ownership to client

# Frontend

- ❑ Membership Directory page
- ❑ Integrate Login with Backend
- ❑ Add buttons to frontend for forgot password, change user preference etc.
- ❑ Transfer Firebase ownership to client

# Deployed Website Prototype



## We match Black women doctors with opportunity!

Diva Docs Boston is an organization composed of over 250 Black women physicians and trainees (medical students, residents, and fellows) working, studying or living in Greater Boston. Our members are represented in every medical specialty and work in a variety of health and non-health care settings.



Mentorship



Training



Sponsorship

## Join Our Black Women Physician Directory!

Search our members



BMWdN

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Black Women M.D. Network

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# Schedule

March 2023	March 2023	March – April 2023	April 2023	April 2023	May 5th, 2023
<b>Membership Directory</b>  Write front end for membership directory, create new approved applicant database, and write API to display applicants on front end.	<b>Optimize and Testing</b>  Test all functionality, work on resolving bugs within web pages. Create a test suite in postman to ensure all API's functional.	<b>Final Prototype Test</b>  Project Complete, Perform final beta testing. Collect performance analytics, and test all different pages of the website.	<b>User's Manual</b>  Create comprehensive user-guide outlining active features and website flow	<b>Customer Installation</b>  Transfer ownership of databases, Firebase, API's to client. Deploy and test live website functionalities.	<b>ECE Day</b>  Present project during ECE Demo Day

# Gantt Chart

[illegible]



Thank you