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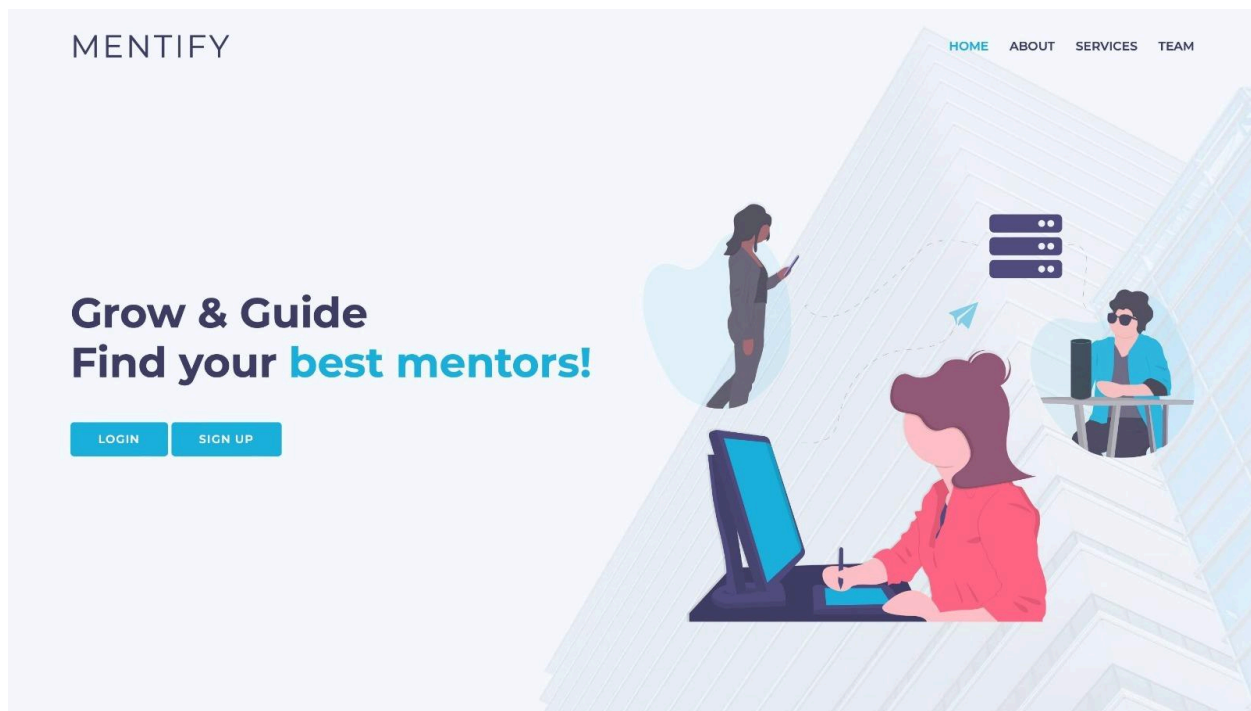
# Mentify: A Mentorship Matching Platform

Juniher's Group 10  
22nd March 2024

## SUMMARY

The Ascend Educare program has helped us realize the impact of proper guidance on personal and professional growth. Many people have valuable knowledge to share, while others are eager to learn, yet there's no easy way for them to connect. This motivated us to build a platform that enables mentors and learners to connect and support each other.

We implemented the project in the form of a web application - MENTIFY (A Mentorship matching platform). Broadly the high-level design of our platform consists of 2 users - mentors and mentees and they interact with the course/program objects to signup and avail mentorship. This has been captured in the Entity Relationship Diagram and the Class Diagram in more detail which have been shared in this report. The future scope of this includes integrating it with ML based recommender systems with the main goal of improving personalized mentorship recommendations and also few other features like blogs and reminder notifications.



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## EXECUTION

### Windows:

- Create a virtual environment using the command: ***virtualenv venv***
- To activate the virtual environment execute the following: ***venv\Script\activate.ps1***
- Once the virtual environment is activated execute the following command in the terminal: ***pip install -r requirements.txt***
- To enable emails generate an app password for your email account and update the ***sender\_email*** variable with your email ID
- To store mentor documents, update the '***UPLOAD FOLDER***' variable with the path of the folder in which the mentor documents are to be stored.

### Mac/Linux:

- Create a virtual environment using the command: ***virtualenv venv***
- To activate the virtual environment execute the following: ***source venv/bin/activate***
- Once the virtual environment is activated execute the following command in the terminal: ***pip install -r requirements.txt***
- To enable emails generate an app password for your email account and update the ***sender\_email*** variable with your email ID
- To store mentor documents, update the '***UPLOAD FOLDER***' variable with the path of the folder in which the mentor documents are to be stored.

## FUNCTIONAL REQUIREMENTS

1. **Login/Signup:** Both mentors and mentees must sign up to access the platform's features. Logging in ensures users can securely access their personalized profiles, enroll in courses, provide feedback, and communicate with others.

### Welcome Back!

Rhea

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Forgot Password? [Click Here!](#)

Don't have an account? [Sign Up](#)

Login

### Signup - Mentor

Full name

Email address

Phone number

Create Username

Create password

Confirm password

Kindly upload your resume

Choose File

no file selected

Create Account

Have an account? [Log In](#)

### Signup - Mentee

Full name

Email address

Phone number

Create username

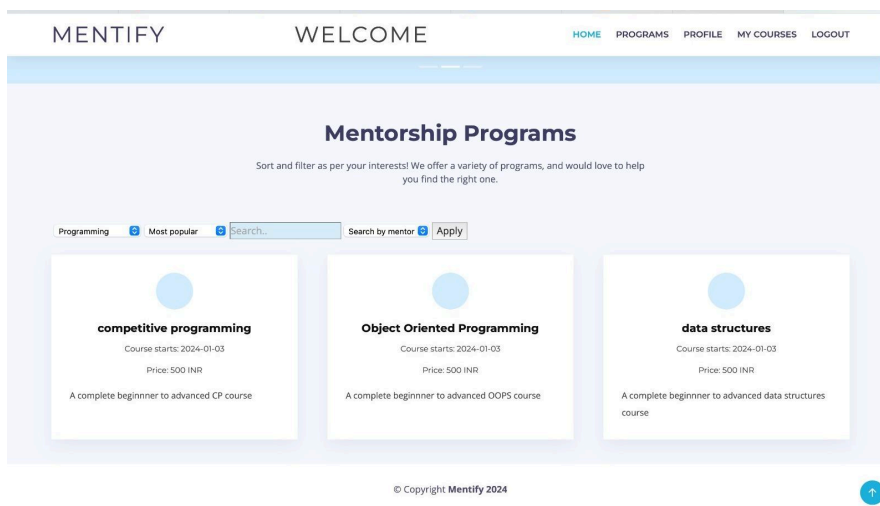
Create password

Confirm password

Create Account

Have an account? [Log In](#)

- Finding mentorship programs:** Mentees can search for courses based on their interests, expertise, and goals, using filters to narrow their options. Mentees can also search for mentors based on specific criteria, such as skills, experience, and availability.



- Chatbox:** A chatbox feature enables effective communication between mentors and mentees within the platform. Mentees can seek clarification, ask questions, and receive guidance directly from mentors, fostering a collaborative learning environment. Mentors can provide personalized support to mentees.

## Webd with Sneha

Start Date:2024-03-23

End Date:2024-03-26

Basics of web development like HTML, CSS , JS, Flask

Status: verified

Kindly provide us [feedback here](#) , so we can improve our services and let the mentor know how you found the program.

## Messages for Webd with Sneha

Mimi: Hi Mentor


Add Message

Send


4. **Payment Gateway:** The platform integrates a secure payment gateway to facilitate transactions between mentors and mentees for course enrollment and mentorship services. Mentees must pay for courses they wish to enroll in, while mentors can receive compensation for their time and expertise.

### Payment Gateway


Card holder:


 MIMI SEN

Card number:

 1234567898765432

Expiry Date: CVC:

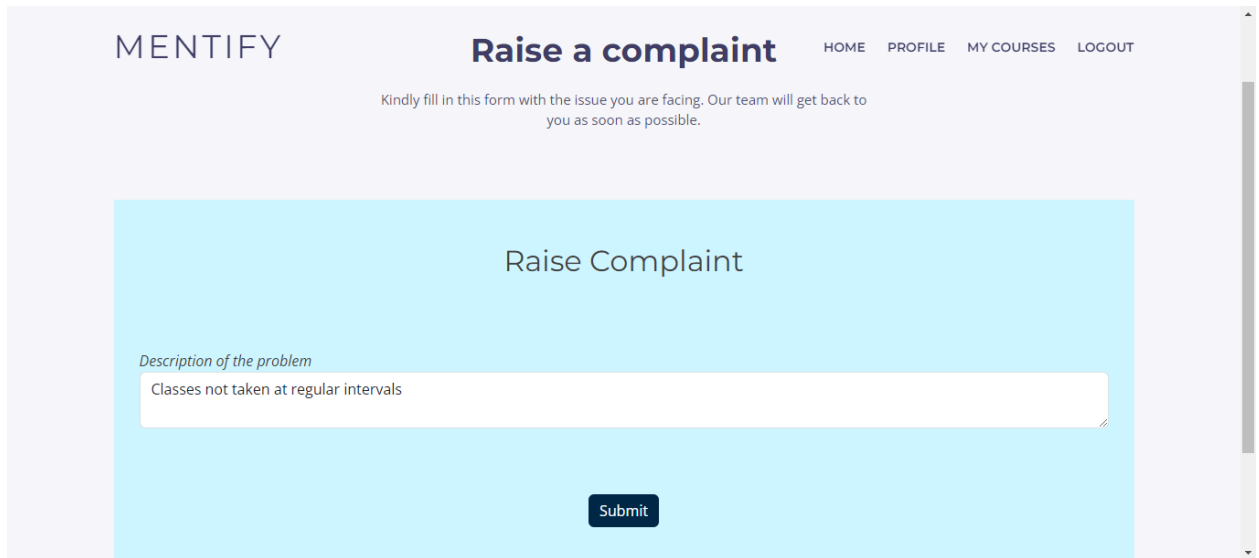
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pay Rs 100

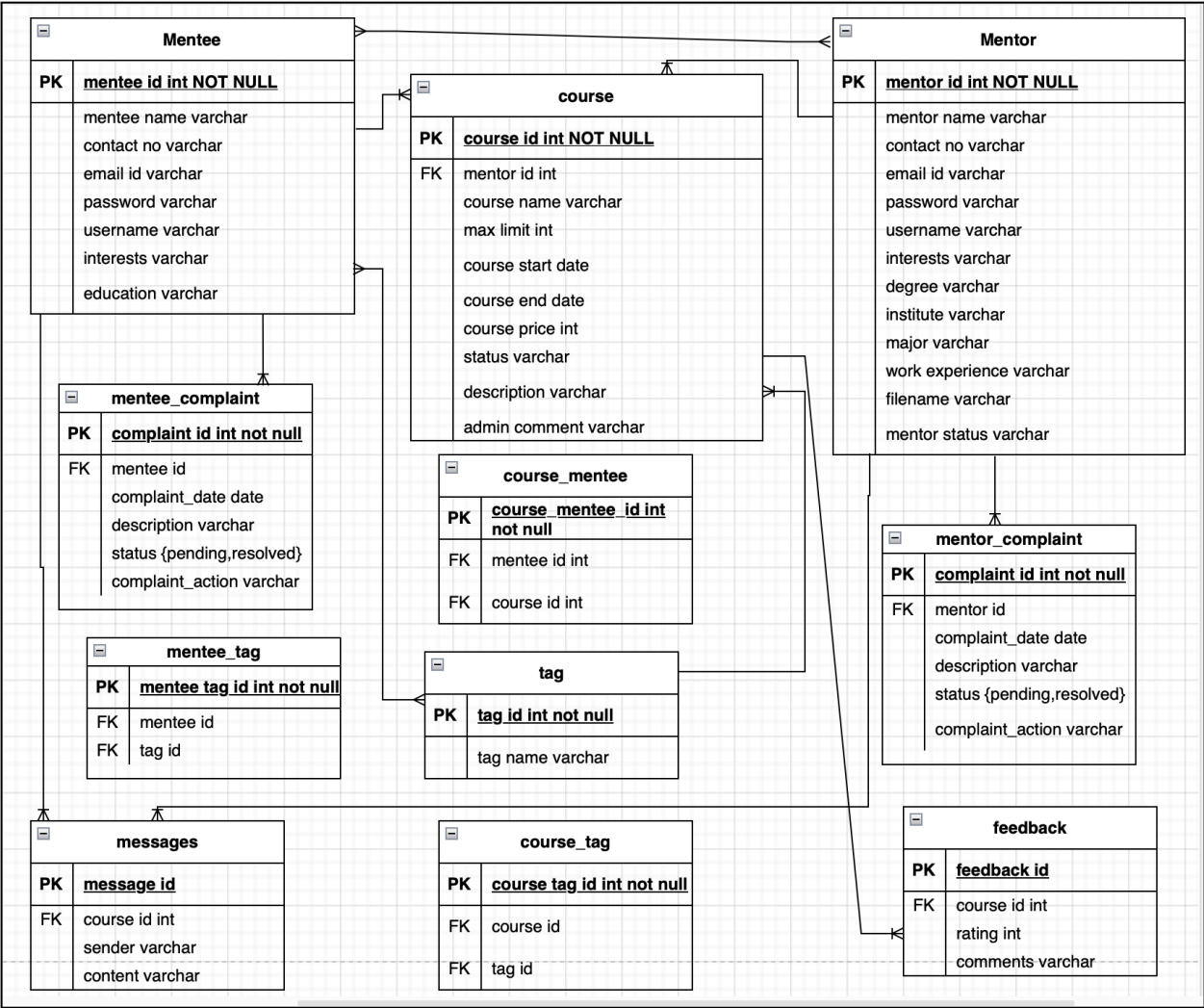
5. **Feedback:** Mentees can provide feedback for courses they have enrolled in, as well as for the mentors conducting the courses. This system helps improve the quality of courses and mentorship experiences by providing valuable insights. Mentors can use feedback to refine their teaching methods, while mentees can make informed decisions based on the reviews of others.

6. **Complaint Management:** Both mentees and mentors have the ability to raise complaints if they encounter any issues or concerns with courses, mentorship sessions, or interactions on the platform. These complaints are submitted to the platform's administrator for review. The administrator evaluates the complaints, investigates the underlying issues, and takes appropriate actions to address them, such as providing resolutions, mediating disputes, or enforcing platform policies. This functionality promotes accountability, transparency, and user satisfaction by ensuring that user grievances are promptly addressed and resolved.

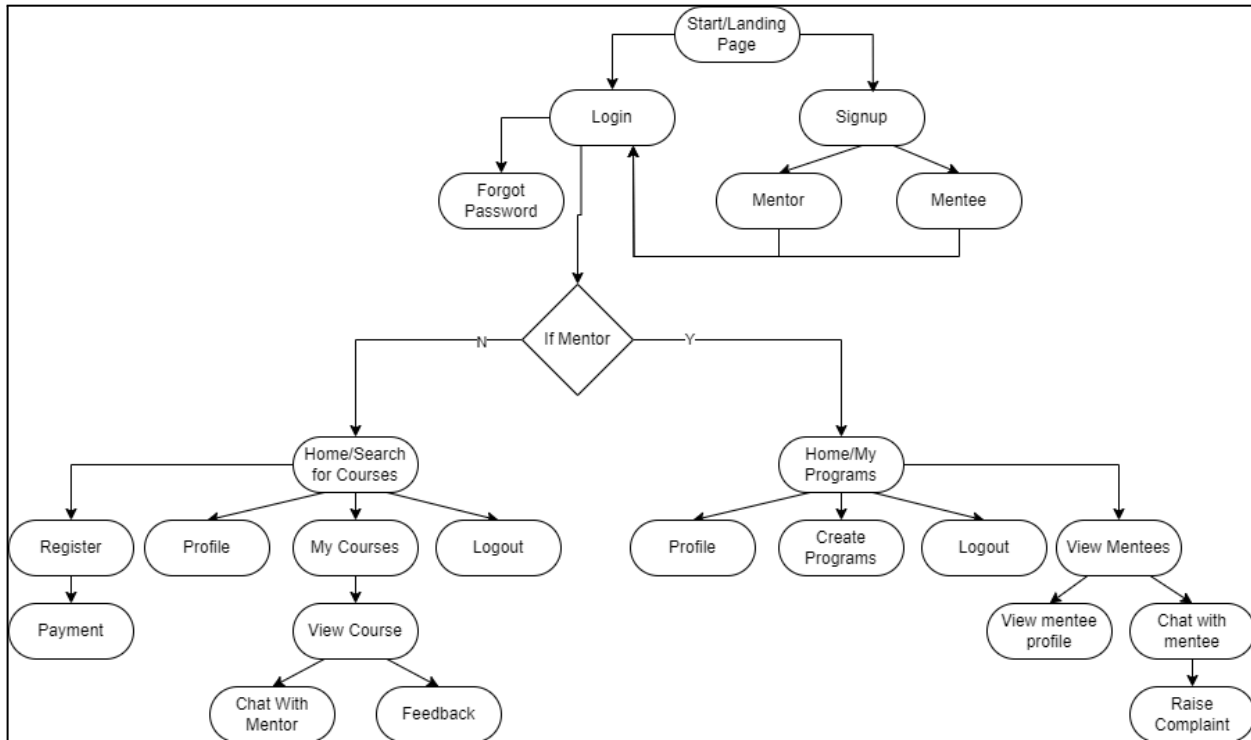


The screenshot displays the 'MENTIFY' platform's 'Raise a complaint' interface. At the top, the 'MENTIFY' logo is on the left, and navigation links for 'HOME', 'PROFILE', 'MY COURSES', and 'LOGOUT' are on the right. The main heading 'Raise a complaint' is centered. Below it, a message states: 'Kindly fill in this form with the issue you are facing. Our team will get back to you as soon as possible.' The form itself is a light blue box with the title 'Raise Complaint' at the top. Inside, there is a label 'Description of the problem' followed by a text input field containing the text 'Classes not taken at regular intervals'. At the bottom of the form is a dark blue 'Submit' button.

# ENTITY RELATIONSHIP DIAGRAM



## CONTROL FLOW DIAGRAM



## TECH STACK

### Frontend:

- HTML/CSS - Used the Bootstrap framework for building webpages.
- Javascript - Used basic JS for effects and alerts

### Backend:

- Flask - Used to connect the frontend and backend components. Flask provides support for handling HTTP requests and managing routes.
- MySQL - A standard RDBMS to ensure reliable storage and efficient retrieval of application data.

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## FUTURE SCOPE

- **Personalized Mentorship Recommendations and Enhanced Match Accuracy:** Integrate a machine learning-based recommender system to provide personalized mentorship recommendations based on user interests, skills, goals, and preferences.
- **Advanced Analytics and Insights:** Leverage machine learning algorithms to analyze user behavior, engagement patterns, and mentorship outcomes. This provides valuable insights into the effectiveness of mentorship relationships, identifies areas for improvement, and informs platform enhancements.
- **Integration with Learning Content:** Integrate machine learning recommendations with relevant learning content, resources, and skill-building opportunities. This creates a comprehensive learning ecosystem where users can access personalized mentorship and educational resources in one platform.
- **Blog Creation:** Creation of a blog platform which will allow mentors to post blogs on topics related to latest industry trends in tech, finance, management etc which will help mentees to gain more knowledge on latest industry trends and interact with the blogs via likes and comments.
- **Reminder Functionality :** The Mentorship Matching Program aims to offer personalized attention to each mentee by limiting the number of students per course. Once a course reaches its capacity, enrollment for that course closes, and no additional mentees are accepted. If a mentee wishes to join a full course, we will notify them via email when the mentor begins the next batch of the same course.

## EXTERNAL REFERENCES:

- <https://bootstrapmade.com>