a. Requirements:

In the second phase of our project Trendy Fit, we are developing a designer module with 5 features: Registration, Login, View users, Chat, Change Password.

Designer Dashboard:

It's a platform dedicated to designers, where they can try out and use our application. The Designer Dashboard's functionality and features are subject to constraints. Designers, unlike administrators, are unable to add or remove people or manage plans. The functions that Designer is capable of being entirely dependent on their requirements. The following are some of the features available to Designer's Dashboard users.

- **Task 1:** New Designers should be provided with an option to register into our application by filling in their personal details like email id, password and more. After successful registration, they will obtain their credential to use for login to the application
- **Task 2:** After successful registration, the page should redirect to the login page for logging into the Dashboard using their credentials
- **Task 3:** Designers should also have access to view user's profiles so they can connect and have conversations with them.
- **Task 4:** Designers should be given an option to change their password in case of emergency
- **Task 5:** To connect with users, Designers will be given a chat option to interact with users.

Designer features:

- Registration: The designer will register using their details like email id, password, and plan for the subscription.
- Login: The designer can log into the application using the credentials obtained from registration.
- View Users: The designer will also be able to view users for helping them with their knowledge in designing.
- Chat: The designers are provided with a feature to chat with the users to interact with them, which helps users choose their designer
- Change Password: The designers will have an option to change their passwords in case of an emergency.

Hardware Requirements

Processor	Intel Pentium(R) Dual-Core Processor
Speed	2.9 GHz
RAM	6 GB RAM
Hard Disk	40GB

Software Requirements

Operating System	Ubuntu 18 Lts
Browser	Chrome/Firefox
Front End	HTML,CSS,JavaScript,Bootstrap5
Back End	Python, Django
Database	SQLite

b.UML Design

Use Case Diagram:

A use case diagram is used in UML to identify system functionality during the analysis phase. It defines how users and external devices interact with the system under development. It does not go into great detail. Instead, it focuses on the connections between use cases, actors, and systems. A use case diagram usually comprises four components. Actors, systems, use cases, and relationships are all examples. The actors are anyone or anything which interacts with the system.

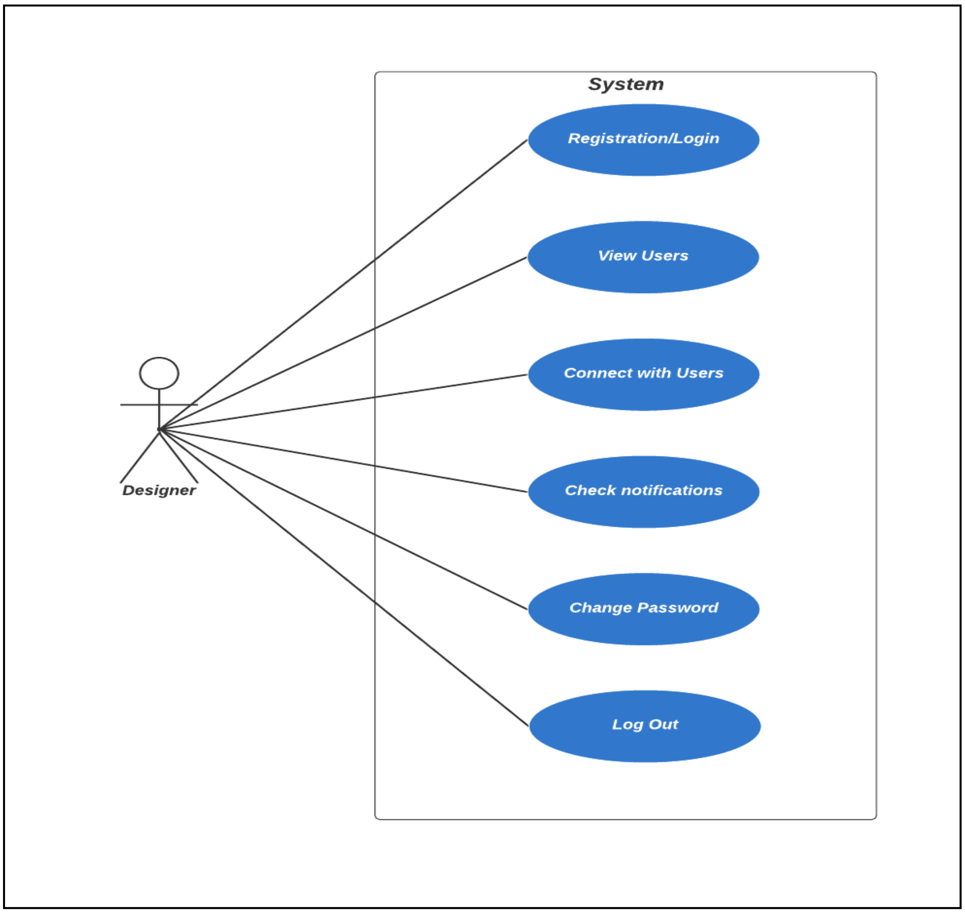


Fig. Use Case Diagram

Description: In the above use case diagram, the actors in the diagram are Designer who has the ability to see users, read notifications, connect with people, and change their password

Use Case Diagram (Error Case):

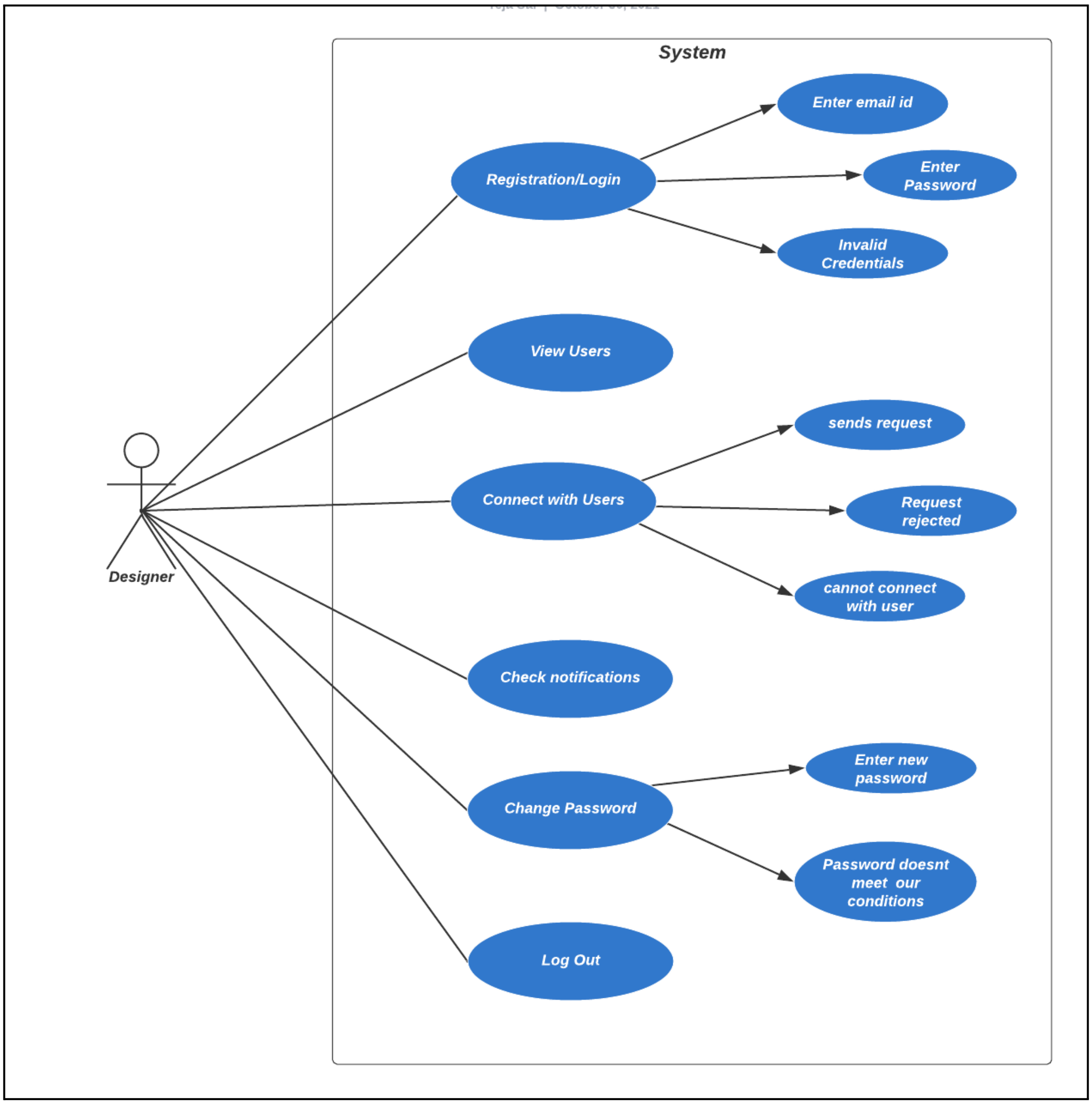


Fig. Error Case Diagram

Class Diagram:

A UML class diagram is used to not only describe a system's object and information structures but also to show how the application communicates with its users. It can be used for everything from modelling the static view of an application to expressing system responsibilities. Classes represent an abstraction of entities having similar features in a UML class diagram. Static relationships between classes are represented by associations. Aggregation is a sort of connection in which components are put together or modified to make a more complicated object.

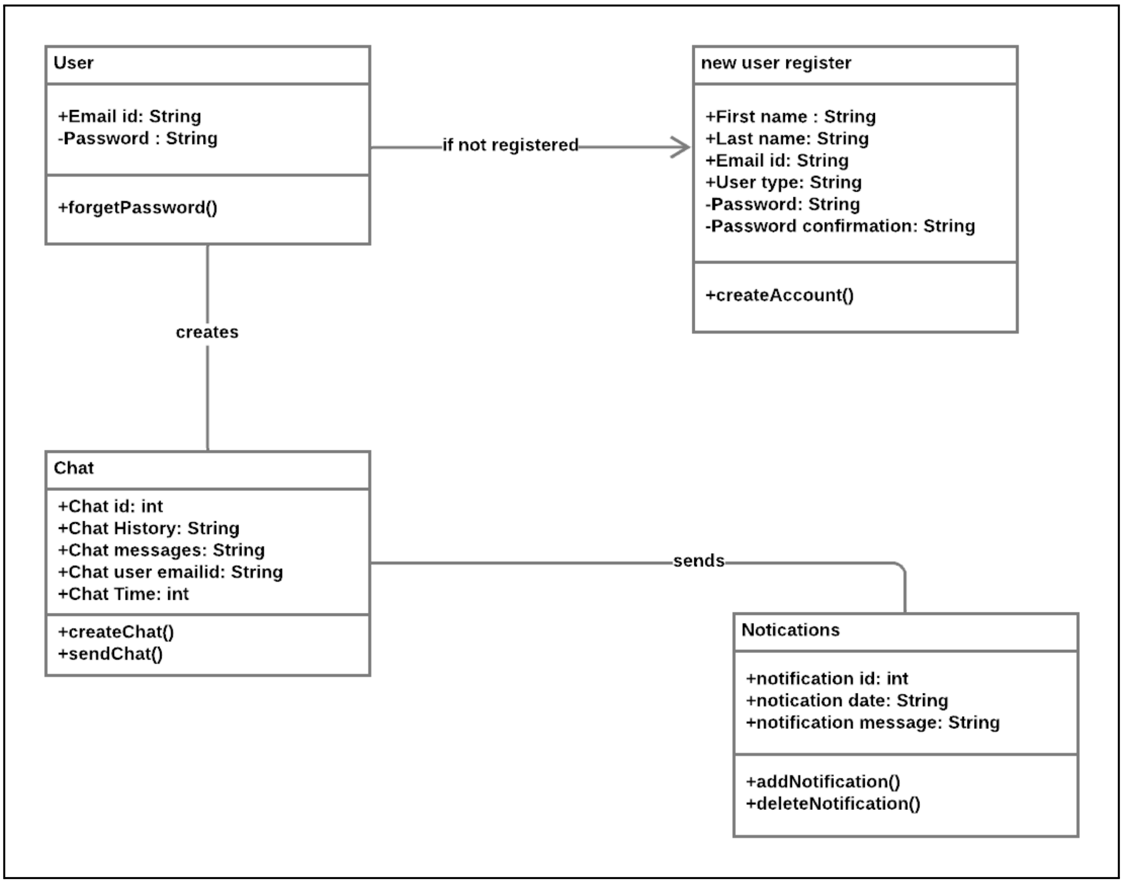


Fig. Class Diagram

Sequence Diagram:

In UML, the analysis and design phases are represented by a sequence diagram. It is an interaction diagram that shows how operations are performed. A sequence diagram is frequently used to show a use case is chronologically structured event flow. It does an excellent way of highlighting how objects communicate with one another and what messages activate those communications.

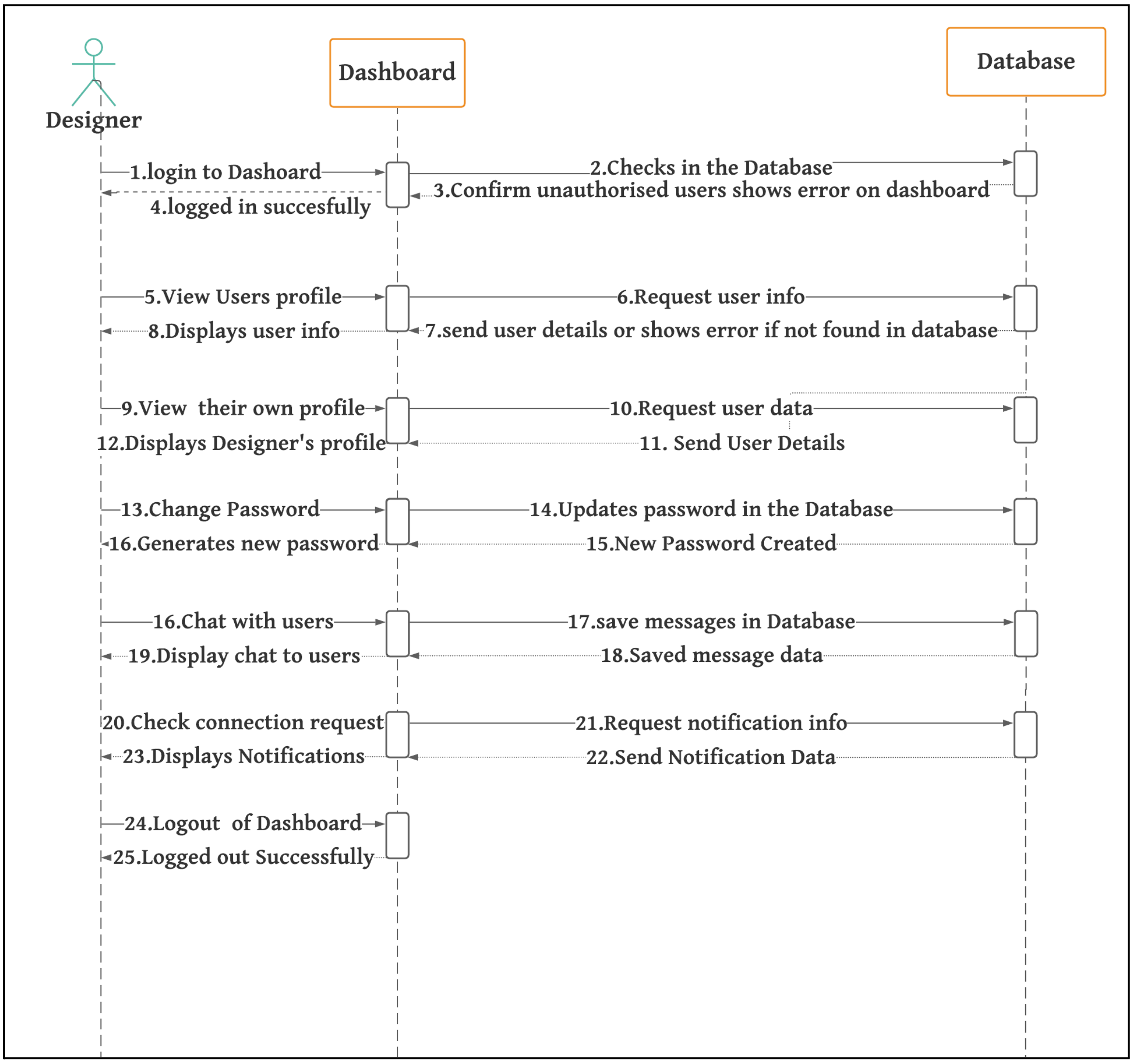

Designer
Dashboard
Database
1.login to Dashoard
2.Checks in the Database
3.Confirm unauthorised users shows error on dashboard
4.logged in succesfully
5.View Users profile
6.Request user info
7.send user details or shows error if not found in database
8.Displays user info
9.View their own profile
10.Request user data
11. Send User Details
12.Displays Designer's profile
13.Change Password
14.Updates password in the Database
15.New Password Created
16.Generates new password
16.Chat with users
17.save messages in Database
18.Saved message data
19.Display chat to users
20.Check connection request
21.Request notification info
22.Send Notification Data
23.Displays Notifications
24.Logout of Dashboard
25.Logged out Successfully

Fig. Sequence Diagram

Description: The above sequence diagram depicts the orderly execution of actions between the Designer's dashboard and the database.

c. Test cases:

Testing: Testing is a process of determining whether the actual software product meets the expected requirements and is defect-free. It entails evaluating properties of interest by executing software/system components using human or automated techniques. Compared to actual requirements, software testing is used to find mistakes, gaps, and missing requirements. Program testing is critical because it allows any defects or errors in the software to be found and fixed before the final product is delivered. Software that has been thoroughly tested ensures dependability, security, and good performance, saving time and money.

Test Case 1:

Requirement_id	**Ticket_id**	**Requirement_descrption**	**Expected Output**	**Actual Output**	**Requirement_ticket_status**
1	11	The designer tries to log in to the dashboard	Logged in successfully	Improper credentials and gives an error message user Not found	Failure
1	12	Designer login to the dashboard with proper Credentials	logged in successfully	Logged in to dashboard successfully	Success
1	13	After successful login Home Page will be displayed	The designer logs in to the dashboard, the home page appears.	Home page displayed successfully	Success
1	14	The designer tries to view Users	User profiles will be displayed	User profile displayed successfully	Success

Description: The authentication of the Designer is tested in the preceding test case, and only the authorized user with appropriate credentials is allowed to enter the dashboard.

Test Case 2:

Requirement_id	**Ticket_ id**	**Requirement_description**	**Expected Output**	**Actual Output**	**Requirement_ticket_status**
2	21	The designer tries to access Notifications to check connection requests	A list of notifications are displayed	Displays Notification data on Dashboard	Success
2	22	The designer tries to accept the connection requests	Connect request accepted	Accepts requests and is allowed to chat with users	Success
2	23	The designer tries to add plans	Request to add plans is accepted and the Designer adds a plan	Invalid operation as a designer cannot add a plan	Failure

Description: The Designer's access to view notifications and chat with users is tested in the preceding test case, and only the limited operations are enabled for the Designer to protect the integrity of data.

Test Case 3:

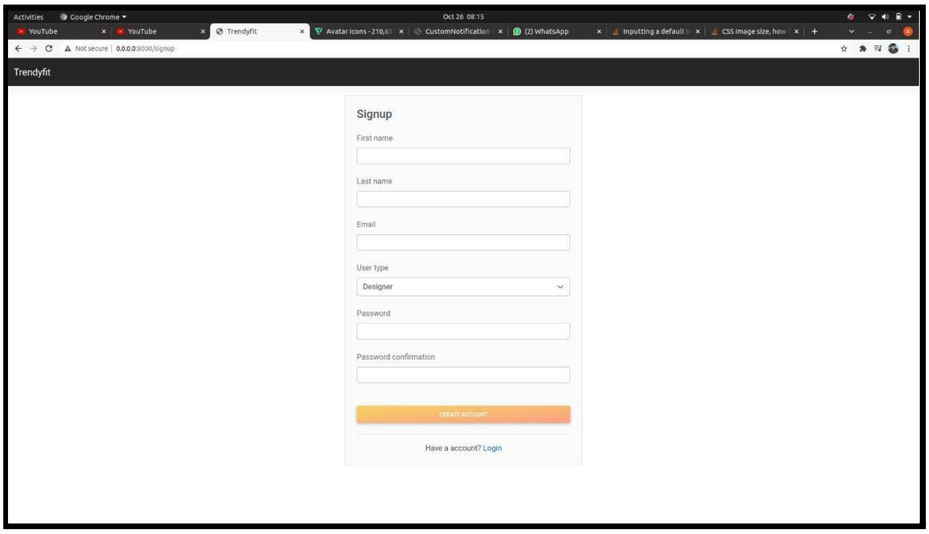
Requirement_id	**Ticket_ id**	**Requirement_description**	**Expected Output**	**Actual Output**	**Requirement_ticket_status**
3	31	The Designer accepts the request and chats with users	The request gets accepted and user	The dashboard opens a chat server and allows interaction with	Success

			chat enabled	the user	
3	32	The designer tries to view messages and reply with multiple users	The designer can view and send replies to users	Messages are displayed and allowed to write a response and send to users	Failure

Description: The Designer's access to view and Chat with users is tested in the preceding test case, and only the limited operations have enabled the Designer to protect the integrity of users data.

d. User Manual:

Step 1: To use our application, users must have access to the internet and a browser such as Chrome or Firefox. Designers can access the Designer Dashboard by visiting the login page and entering credentials (Mail Id and Password) that have been stored in our database.



Signup

First name

Last name

Email

User type: Designer

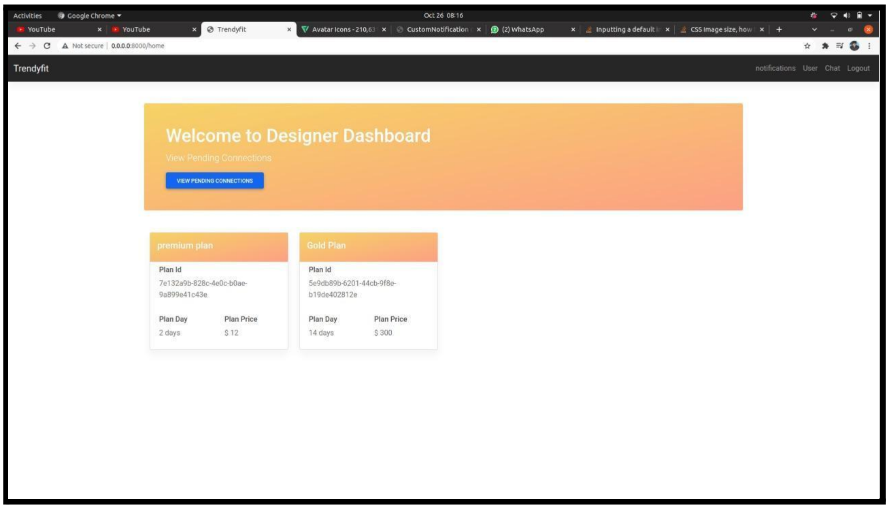
Password

Password confirmation

Have a account? Login

Fig.1.1 Sign Up Form

Step 2: Designer should be able to see a home page in their dashboard if the credentials entered are correct to check the available plans.



Welcome to Designer Dashboard

View Pending Connections

premium plan

Plan Id

7e132a9b-828c-4e0c-b0ae-9a899e41c43e

Plan Day: 2 days

Plan Price: $ 12

Gold Plan

Plan Id

5e9db89b-6201-44cb-9f8e-b19de402812e

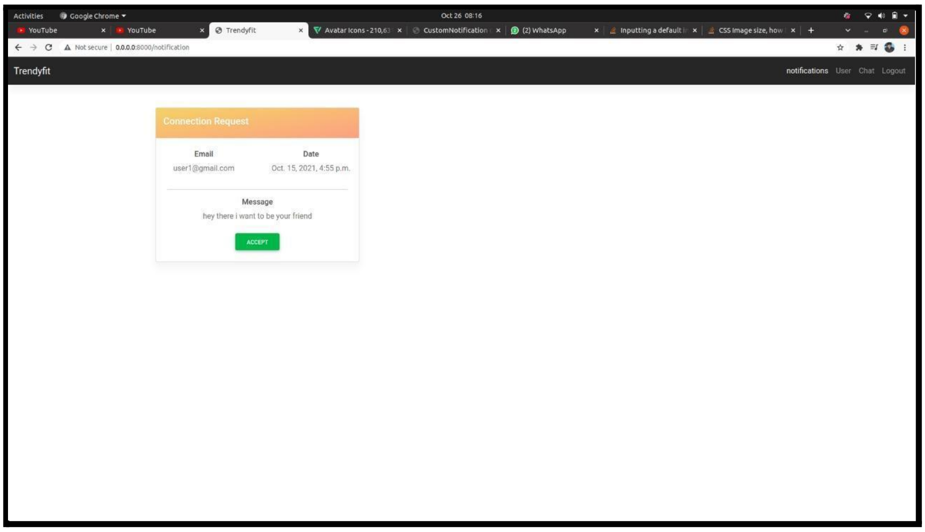
Plan Day: 14 days

Plan Price: $ 300

Fig.1.2. Home Page

Step 3: There are several options for the user to explore in our application, including Designer profile, View User, and Notifications, which can be found in the right-hand navigation bar.

Step 4: Select Notifications to navigate to a page where you can see a list of all the notifications, including connection requests from users, status updates of requests, and messages from the chat.



Connection Request

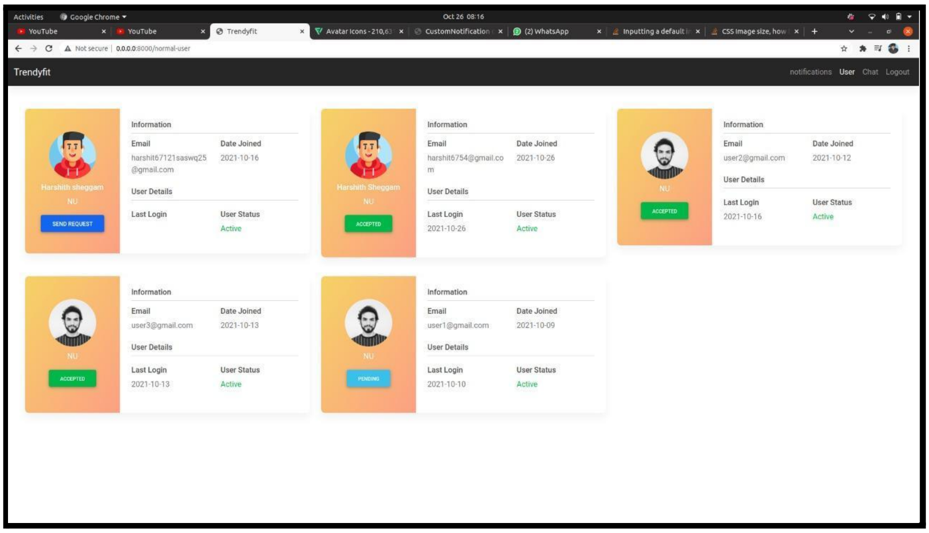
Email	Date
user1@gmail.com	Oct. 15, 2021, 4:55 p.m.

Message

hey there i want to be your friend

Fig 1.3. Notification Page

Step 5: Click on User to see the user's information, such as the email address they registered with, the date they joined, and other details such as their last login and status.



Harshith sheggam
NU
Information
Email: harshit67121saswq25@gmail.com
Date Joined: 2021-10-16
User Details
Last Login:
User Status: Active

Harshith Sheggam
NU
Information
Email: harshit6754@gmail.com
Date Joined: 2021-10-26
User Details
Last Login: 2021-10-26
User Status: Active

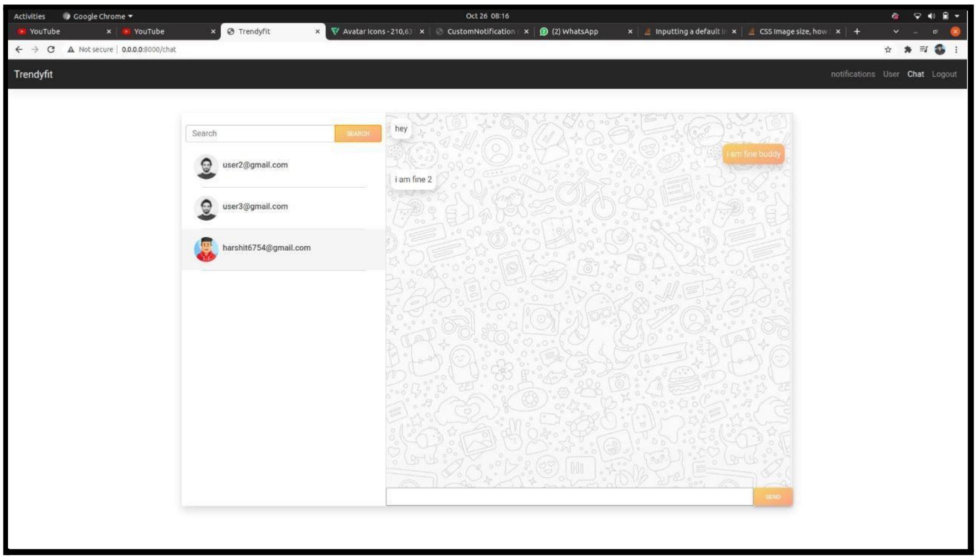
NU
Information
Email: user2@gmail.com
Date Joined: 2021-10-12
User Details
Last Login: 2021-10-16
User Status: Active

NU
Information
Email: user3@gmail.com
Date Joined: 2021-10-13
User Details
Last Login: 2021-10-13
User Status: Active

NU
Information
Email: user1@gmail.com
Date Joined: 2021-10-09
User Details
Last Login: 2021-10-10
User Status: Active

Fig 1.4. User Page

Step 6: To view the chat page, click on chat. From there, the Designer can choose to chat with users whose requests have been accepted.



user2@gmail.com
user3@gmail.com
harshit6754@gmail.com

hey
i am fine buddy
i am fine 2

Fig 1.5. Chat Page

e. Clear instructions on how to compile/run both your program and your test cases (the program must compile/run).

Instructions:

The following are the 2 methods to setup our project

- using local run command
- using docker

Note: The following commands are for linux only

Local Setup

The first thing to do is to clone the repository:

```
$ git clone https://github.com/SravanthiSilla/Mighty8.git

$ cd terndyfit
```

Create a virtual environment to install dependencies in and activate it:

```
$ python -m venv env

$ source env/bin/activate
```

Then install the dependencies:

```
(env)$ pip install -r requirements.txt
```

Note the (env) in front of the prompt. This indicates that this terminal session operates in a virtual environment set up by venv.

Once pip has finished downloading the dependencies:

```
(env)$ cd trendyfit

(env)$ python manage.py makemigrations

(env)$ python manage.py migrate
```

once you have migrated you need to

```
(env)$ cd trendyfit

(env)$ python manage.py runserver
```

or

```
(env)./manage.py runserver
```

And navigate to http://127.0.0.1:8000/.

Docker Setup

To execute the project in docker follow below commands. Make sure you have docker installed in your system.

```
$ cd terndyfit

$ docker-compose -f compose.yml up
```

f. Code Inspection Feedback:

Partner Group Name: Exotic Eight

Project Name: Online Home Services

Team Members: Pavithra Telukuntla, Akhila Katkuri, Srujana Pamidimukkala, Anusha Todupunpori, Rajashekar Reddy Chirumani, Vivek Vardhan Gutta, Anwar hussain shaik, Harshith Reddy Nagireddy

Suggestions by Partner team (Exotic Eight) :

Adding scrolling option to the Admin Dashboard: They suggested we add a scrolling option in the admin dashboard in the user screen. We implemented pagination but to get perfect user experience they suggested a scrolling option.

We have accepted the suggestion provided by the partner team.

UI change: Partner requested to make a few changes to UI to have better experience.

Actions taken:

We have added a scrolling option to Admin Dashboard in the user screen and removed pagination.

Also made changes to UI based on the requirements like added designer image.

g. A brief reflection on what has been accomplished, what went well and could be improved.

Brief Reflection:

Project phase two development has successfully completed we have implemented Designer dashboard successfully features that have been covered in this phase two development are listed below

- Designer login view
- Designer main dashboard view
- Designer user view
- Designer Notification view
- Designer Chat view
- Designer Subscription View
- Designer logout

Designer:

As part of phase two, the above features are implemented in the Designer dashboard. Our goal was to complete all of the Designer's flows, which we did effectively. Notifications, connections, and the chat feature are all significant aspects of phase two.

Improvements:

- A few enhancements to the Designer dashboard can be made, such as the addition of a Search option, which improves the Designer's experience in discovering users.

- A function that allows users to share pictures/media, as well as text, can be implemented to the chatbox.

- Filters can also be added to get the user/designer on the search for an easy view of data

h. Member contribution table (should describe who wrote what components or classes of the system and what parts of the report). Add more rows as needed.

Member name	Contribution description	Overall Contribution (%)	Note (If applicable)
Sravanthi	Added redis channel layer for the chat module.	15	
Manish	Worked on the connection JS chat request between designer and user.	13	
Manohar	Worked on the Chat consumer server.	13	
Sharath	Worked on the subscription view, connection of designer.	12	
Teja	Bugfix for notification users and subscriptions module.	11	
Harsha	Worked on login, signup page and Notification JS module.	12	
Praveen	Added designer and payment gateway.	12	
Yeshwanth	Added Form and Admin Panel.	11	