Social Networking For Medical Professionals (Project Completion Report)

By Group-5

Features Implemented :

- **Sign In and Sign up to the website :**
  - User can only post on the website only if he/she is registered and logged in to the website
  - User name, email id and password are required for sign up. A confirmation email will be sent to the given email id and after confirmation, the user is allowed to log in to the website

- **Editing the profile:**
  - UserProfile consists
    - Fullname (editable)
    - Dob (editable)
    - Country (editable)
    - College (editable)
    - profilePicture (editable)
    - Points (not editable, can be modified based on his performance and usage of the site)
    - Interests (editable)
  - User can change only his profile
  - User can view profiles irrespective of login/logout
  - User can change his interests from Tags (can be created by the user)

- **Friend Requests:**
  - Friend requests can only be sent between users that are registered
  - Requesting
  - Accepting
  - Rejecting

- **Messaging:**
  - registered User can send messages to any registered user

- ○ Allowing only text messages
- ○ Reply msgs automatically loads without refreshing page
- ○ Empty msgs are not stored

- ● **Notifications:**
  - ○ whenever a user sends a friend request it is notified to the user

- ● **Tagging:**
  - ○ Tagging a question:
    - ■ The user who is posting a question has the ability to add tags to it
    - ■ These tags are used by other users while searching for a question
  - ○ Tags added to a User:
    - ■ Added as user interests for the user
    - ■ Can be used for referring questions to the user

- ● **Posting:**
  - ○ Questions
    - ■ Only logged in users can post questions on the website.
    - ■ Only the user who has posted the question has the ability to delete or edit the question
    - ■ All the registered users can see who posted, when it was posted and when it was last edited.
    - ■ The registered users have the ability to comment on the questions.
    - ■ The registered users have the ability to upvote or downvote the questions.

  - ○ Articles
    - ■ Only the logged in users can post articles on the website
    - ■ It is similar to posting questions
    - ■ The registered users have the ability to only upvote the articles
    - ■ All the registered users can see who posted it
    - ■ Only the user who posted has the ability to edit the article

  - ○ Answers
    - ■ The registered users have the ability to post answers to the questions.
    - ■ The user who posted the answer has the ability to delete and edit the answer.
    - ■ The registered users have the ability to upvote or downvote the answer
    - ■ The registered users have the ability to post comments on the answers also.
    - ■ All the registered users can see who posted, when it was posted and when it was last edited.

- ○ Comments
  - ■ The registered users have the ability to post comments to questions as well as the answers.
  - ■ The user who posted the comment has the ability to edit or delete the comment
  - ■ The registered users can see who posted, when it was posted and when it was last edited.

- **Voting:**
  - ○ The registered users can upvote or downvote any question or answer.
  - ○ A user can upvote a particular question or answer only once. multiple votes to the same post will not be registered.
  - ○ If a user upvotes a question and then downvotes the same question then his/her upvote will be deleted and downvote will be registered and vice-versa.

- **Searching:**
  - ○ Searching question:
    - ■ A search bar is provided to search for questions given a particular keyword as input.
    - ■ The title of the questions that contain the keyword are shown as results

  - ○ Searching question based on Tags:
    - ■ A search bar is provided to search for questions given a particular tag as input
    - ■ The questions which contain the exact tag names are returned as results

  - ○ Searching Users:
    - ■ A search bar is provided to search for users that are registered to the website.
    - ■ It takes the uname as input and any user that has the uname as a part of their user name are returned as results
- **Customized Questions For Users**
  - ○ Based on his Interests :
    - ■ Implemented to fetch questions based on his interests
    - ■ Can not be calculated if the user doesn't entry his interests
    - ■ Its presented in index page
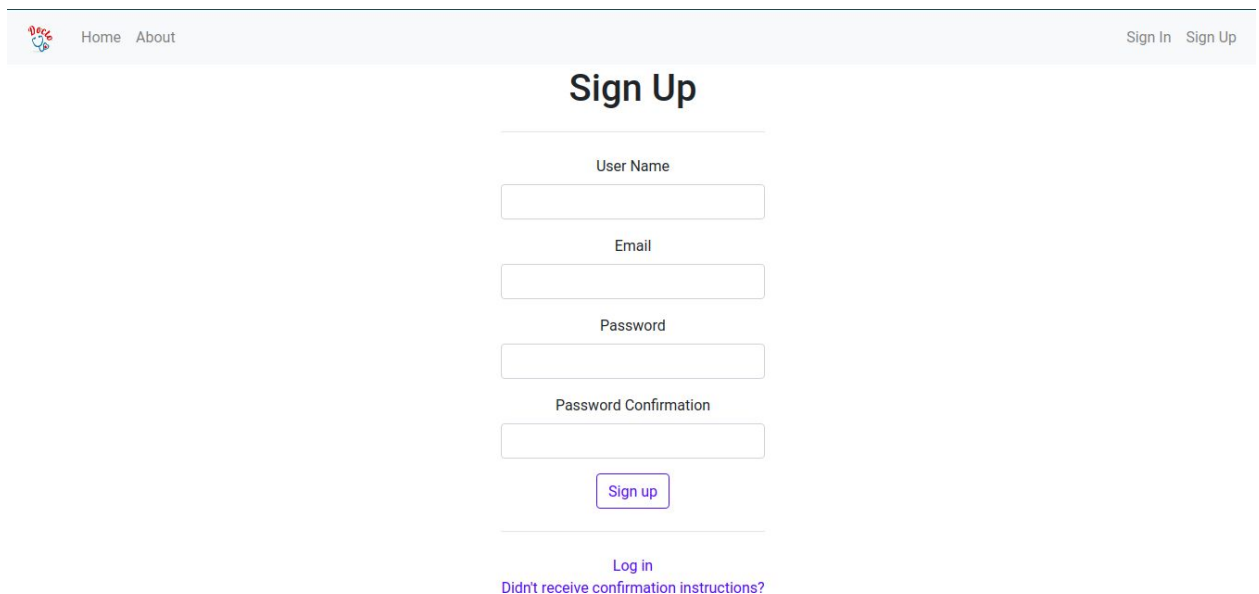
Features Not Implemented:
- Messages are not encrypted
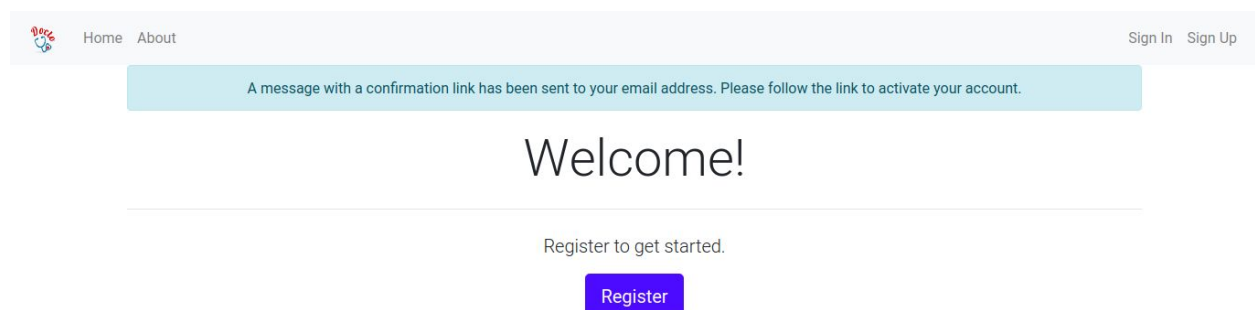
- When posting a question or answer, the application is not able to verify whether the answer is related to the question or not.
- Did not add automatic tagging to the posts.

- Customized questions based on his friends interests

ScreenShots of some important use cases:

1. Sign up:

Log in :

Log in before confirming the mail:

After confirmation and logging in:
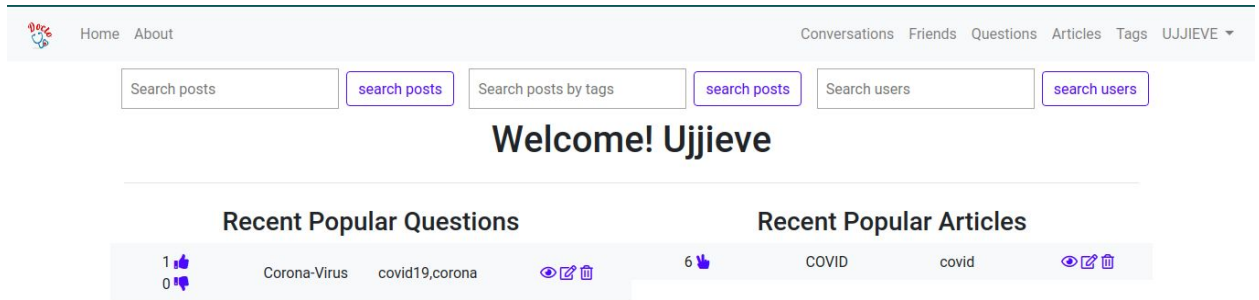
2. Messaging:

(By pressing conversations button on the nav bar)
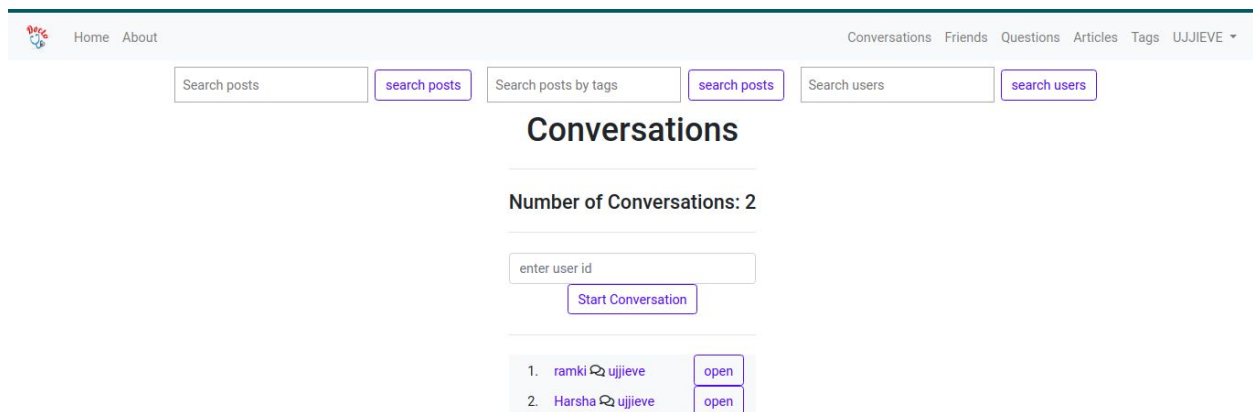
After opening one of the conversation by pressing open button:
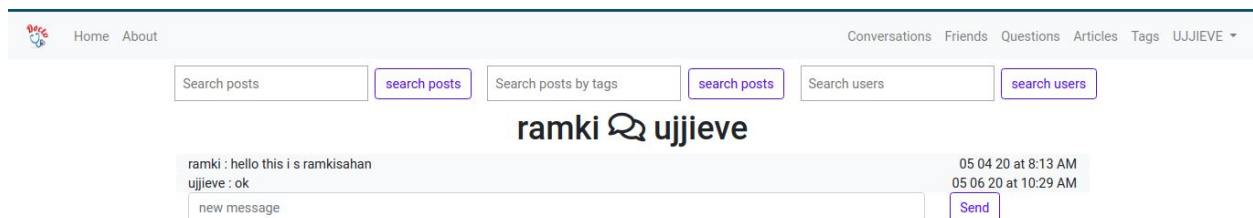
Users can send messages by typing on the text bar and pressing the send button.

3. Editing profile information:

One can edit the information by clicking the profile name on the top right corner to get drop down list.
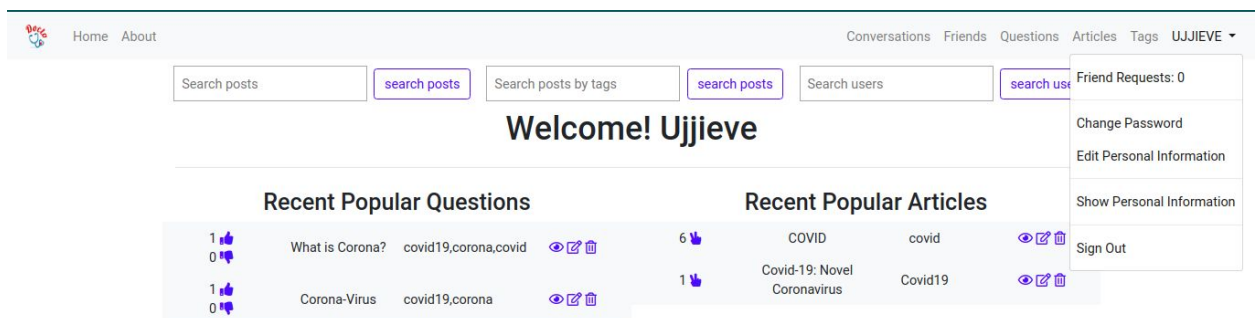
After clicking the edit personal information button:

Search posts   search posts   Search posts by tags   search posts   Search users   search users

Edit Information

Full name

Thumati Ujjieve

Dob

02/05/1998

College name

IIT Hyderabad

Country

India

Profile Picture:

Upload new profile picture

Choose file   No file chosen

Update

After clicking Update button:

saved successfully

User Profile

edit below Information

userId:

1

uName:

FullName:

Thumati Ujjieve

DOB:

02/05/1998

College Name:

IIT Hyderabad

Country:

India

Profile Picture:

Interests :

edit your intrests

no intrests noted

4. Editing Interests:

By clicking Edit interests button from the Profile information screen as given above:

After selecting heart and doctor tag from the list and then pressing update button one can see the updated interests in the interests column:
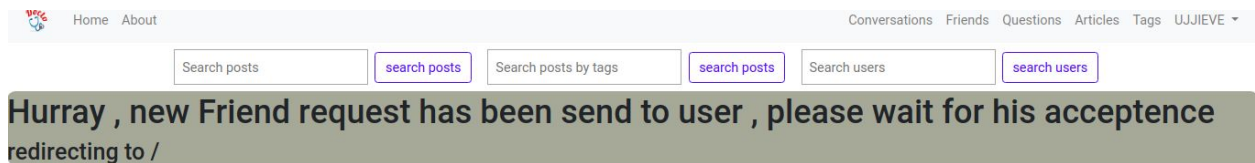
5. Friend requests:

By searching the users from the search bar. We get results.

After pressing send Friend request link:

6. Accepting request

Click on the friends button in the nav bar on top:

After clicking accept requests:

Search posts | search posts | Search posts by tags | search posts | Search users | search users |

Requests To be Accepted :

Number of Results: 1

ujjieve < 1 2020-05-09 12:04:04 UTCaccept Friend Requestreject Friend Request

After accepting friend request:

View from T_UJJIEVE profile:

Search posts | search posts | Search posts by tags | search posts | Search users | search users |

Friends

| pending requests | | accept requests |

Number of Friends: 1

1. UJJIEVE:->send Message

View from UJJIEVE profile:

Search posts | search posts | Search posts by tags | search posts | Search users | search users |

Friends

| pending requests | | accept requests |

Number of Friends: 1

1. T_UJJIEVE:->send Message

7. Posting Question

After clicking New Question button:

After Clicking Post Question button :

Note : One can upvote or downvote the question by clicking the thumbs-up or thumbs-down button as seen in the above image.

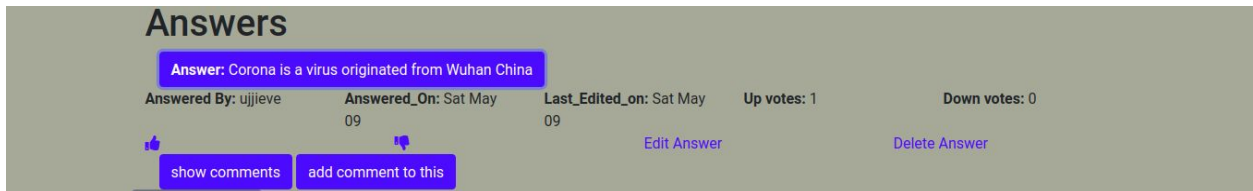## 8. Posting Comments on Question by clicking Add new question comment button:

After posting comment:

The option to edit and destroy is visible only to one who created it.

9. Posting Answers to question by clicking add new answer button:

After clicking submit answer button
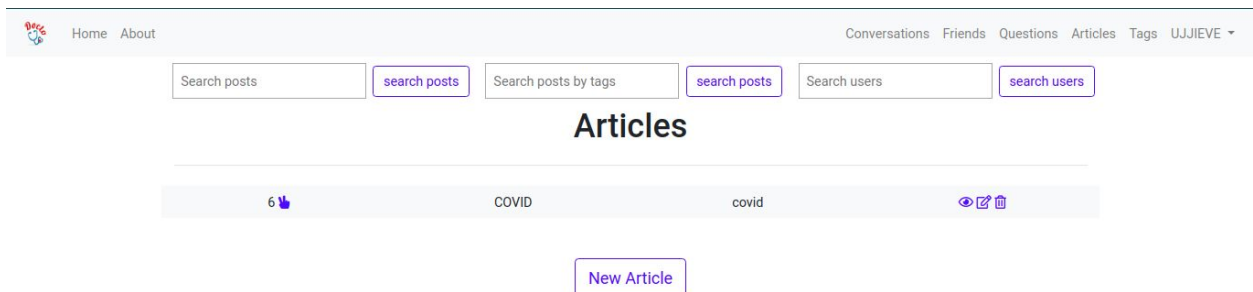
One can add comments to answers also in the same way as done for questions.

One can upvote and downvote by pressing the thumb_up and thumb_down button.

10. Posting Articles

After clicking New article button:

After clicking Post article button:

11. Searching Posts by keyword:

After pressing the search posts button:

Similarly one can use other search bars provided.

Testing:

Tested software by following guidelines provided rails architecture
[Testing Rails Applications](#)

UnitTests Completed for **Users, UserProfiles, Friend, UserInterests, Conversations, Messages, Tags** models

Integration Tests are added for **Pages Controller**

TestType	TotalAsserts	success	Failed	Errors
UnitTests	29	29	0	0
IntegrationTests	40	40	0	0
SystemTests(these tests gives up a direct browser like experience)	0	0	0	0
TOTAL :	**69**	**69**	**0**	**0**