

# 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 username as input and any user that has the username 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 enter his interests
    - Its presented in index page

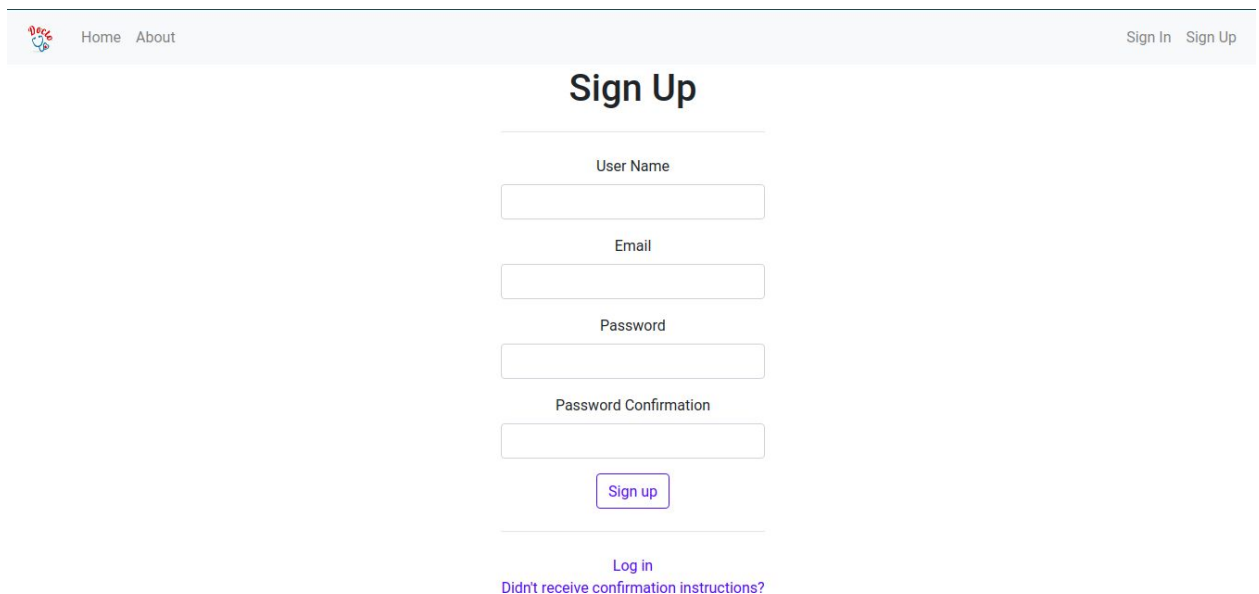
## Features Not Implemented:

- Messages are not encrypted

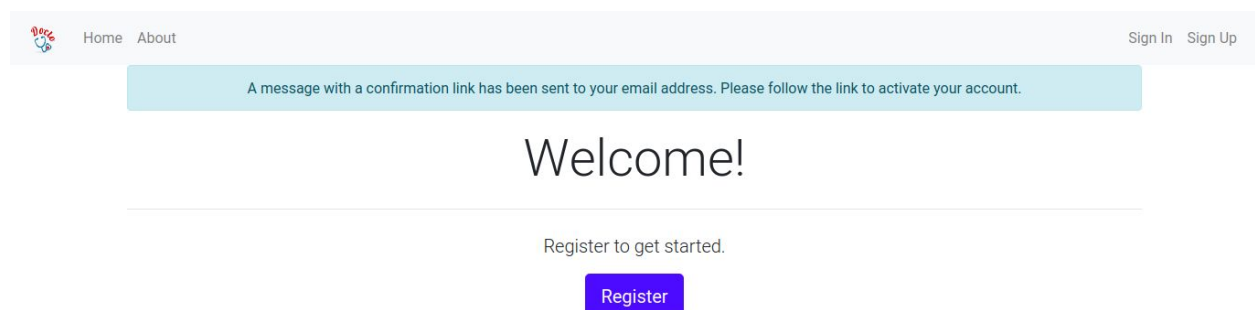
- When posting a question or answer, the application is not able to verify whether the answer is related to the question or not.
- Did not add automatic tagging to the posts.
- Customized questions based on his friends interests

## ScreenShots of some important use cases:

### 1. Sign up:




The screenshot shows a web application's 'Sign Up' page. At the top, there is a navigation bar with a logo on the left and links for 'Home' and 'About' in the center. On the right side of the navigation bar are links for 'Sign In' and 'Sign Up'. The main heading 'Sign Up' is centered. Below it, there are four input fields stacked vertically, each with a label: 'User Name', 'Email', 'Password', and 'Password Confirmation'. A purple 'Sign up' button is positioned below the input fields. At the bottom of the form, there is a 'Log in' link and a link that says 'Didn't receive confirmation instructions?'.



The screenshot shows a web application's 'Welcome!' page. At the top, there is a navigation bar with a logo on the left and links for 'Home' and 'About' in the center. On the right side of the navigation bar are links for 'Sign In' and 'Sign Up'. Below the navigation bar, there is a light blue message box that says: 'A message with a confirmation link has been sent to your email address. Please follow the link to activate your account.' Below the message box, the word 'Welcome!' is displayed in a large font. At the bottom, there is a line of text that says 'Register to get started.' and a purple 'Register' button.

# Log in :

Log in before confirming the mail:

 [Home](#) [About](#) [Sign In](#) [Sign Up](#)

## Sign In

Email

cs16btech11039@iith.ac.in

Password

\*\*\*\*\*

☒ Remember me

Log in

[Sign up](#)  
[Forgot your password?](#)  
[Didn't receive confirmation instructions?](#)  
[Didn't receive unlock instructions?](#)

You have to confirm your email address before continuing.

## Sign In

Email

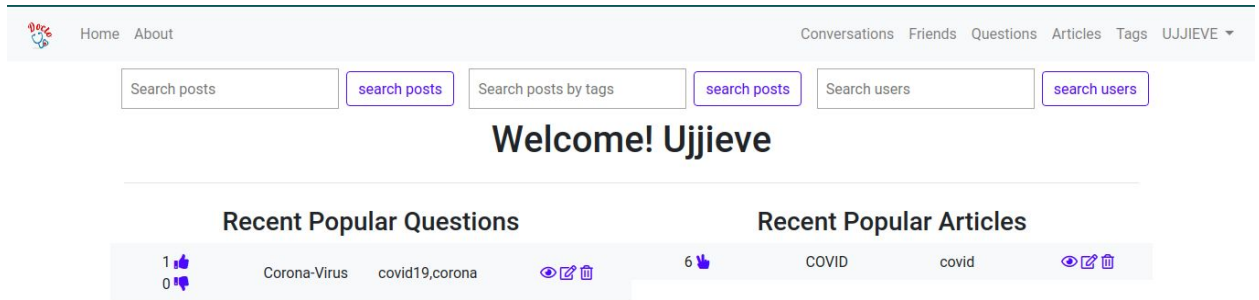
Password

☐ Remember me

Log in

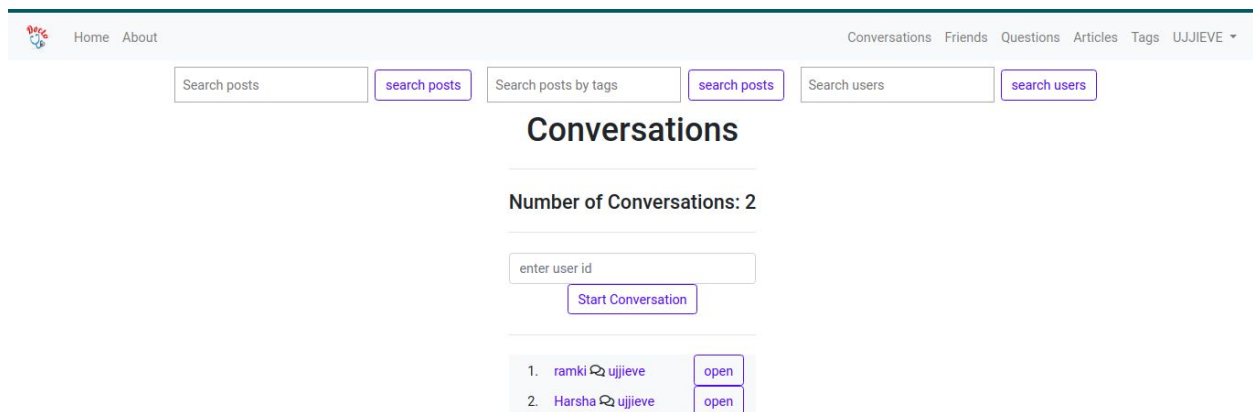
[Sign up](#)  
[Forgot your password?](#)  
[Didn't receive confirmation instructions?](#)  
[Didn't receive unlock instructions?](#)

After confirmation and logging in:

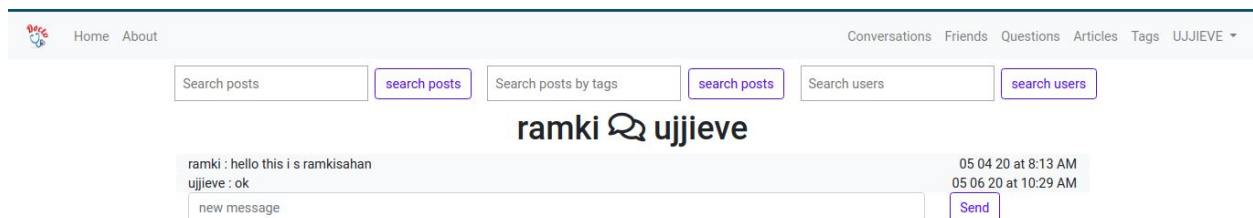


## 2. Messaging:

(By pressing conversations button on the nav bar)



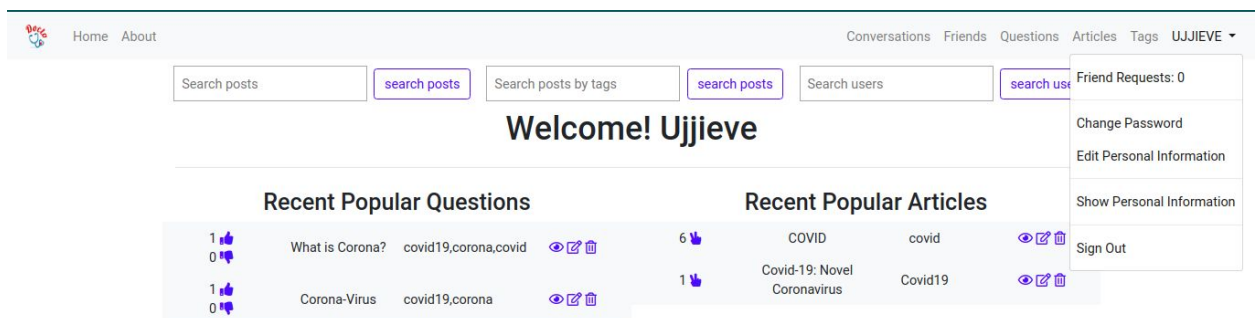
After opening one of the conversation by pressing open button:




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:

 [Home](#) [About](#)

[Conversations](#) [Friends](#) [Questions](#) [Articles](#) [Tags](#) [UJJIEVE](#) ▾

## Edit Information


Full name

Dob

College name

Country


Profile Picture:



Upload new profile picture

No file chosen

After clicking Update button:

 [Home](#) [About](#)

[Conversations](#) [Friends](#) [Questions](#) [Articles](#) [Tags](#) [UJJIEVE](#) ▾

saved successfully

## User Profile

[edit below information](#)

userid:

uName:


FullName:

DOB:

College Name:

Country:

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:

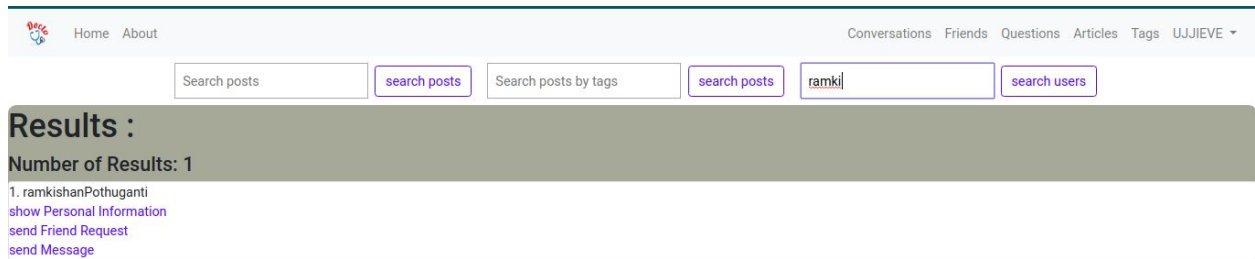
The screenshot shows the 'Your Intrests' section of a web application. At the top, there is a navigation bar with links: Home, About, Conversations, Friends, Questions, Articles, Tags, and UJJIEVE. Below the navigation bar are search boxes for 'Search posts', 'Search posts by tags', and 'Search users', each with a corresponding 'search' button. The main section is titled 'Your Intrests' and contains a large empty text input field. Below this, it says 'select tags from below' and provides a hint: '(\* use ctrl+mouse select to select multiple & you can search with prefix )'. A list of tags is shown: 'how are you', 'heart', 'doctor', and 'osmotology'. Below the list, there is a section labeled 'new Selected Intrests::' with an 'Update' button and a link 'to create new tags'.

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

The screenshot shows the user profile page. On the left, the 'User Profile' section includes fields for 'userId' (1), 'uName', and 'FullName' (Thumati Ujjieva). In the center, the 'Profile Picture' is a meme of a cat in a lab coat with the text 'DOCTOR CAT' and 'WILL SEE YOU MEOW'. On the right, the 'Interests :' section shows a list of interests: 'Heart', 'Doctor', 'Brain', and 'Nano'. A link 'edit your intrests' is provided above the list.

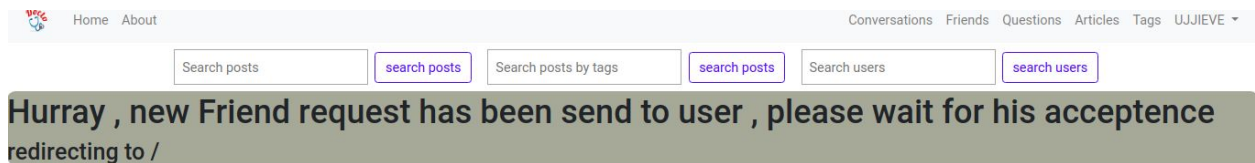
## 5. Friend requests:

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



The screenshot shows the application's search interface. The top navigation bar includes links for Home, About, Conversations, Friends, Questions, Articles, Tags, and a user profile dropdown for 'UJJIEVE'. Below the navigation bar, there are four search input fields: 'Search posts', 'Search posts by tags', 'Search posts by tags', and 'Search users'. The 'Search users' field contains the text 'ramki'. Below the search fields, a green banner displays 'Results : Number of Results: 1'. A list of results follows, showing a single entry for '1. ramkishanPothuganti'. Below this entry are three links: 'show Personal Information', 'send Friend Request', and 'send Message'.

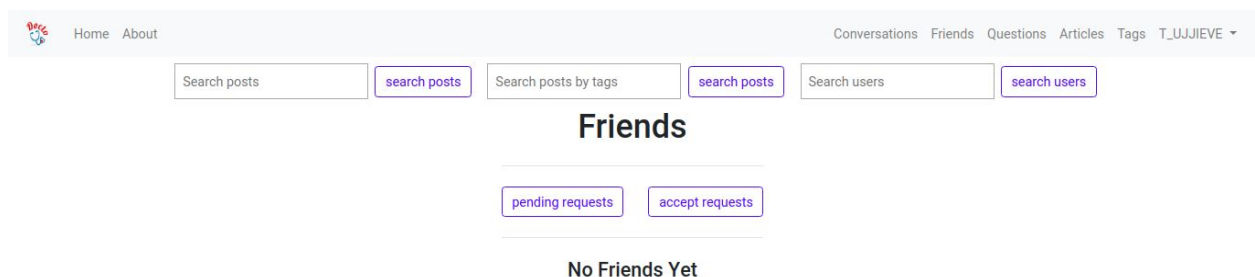
After pressing send Friend request link:



The screenshot shows the application's search interface. The top navigation bar includes links for Home, About, Conversations, Friends, Questions, Articles, Tags, and a user profile dropdown for 'UJJIEVE'. Below the navigation bar, there are four search input fields: 'Search posts', 'Search posts by tags', 'Search posts by tags', and 'Search users'. The 'Search users' field contains the text 'ramki'. Below the search fields, a green banner displays the message: 'Hurray , new Friend request has been send to user , please wait for his acceptance redirecting to /'.


## 6. Accepting request

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



The screenshot shows the application's Friends section. The top navigation bar includes links for Home, About, Conversations, Friends, Questions, Articles, Tags, and a user profile dropdown for 'T\_UJJIEVE'. Below the navigation bar, there are four search input fields: 'Search posts', 'Search posts by tags', 'Search posts by tags', and 'Search users'. The 'Search users' field contains the text 'ramki'. Below the search fields, a green banner displays the title 'Friends'. Below the title, there are two buttons: 'pending requests' and 'accept requests'. Below the buttons, a green banner displays the message: 'No Friends Yet'.

After clicking accept requests:

 Home About

Conversations Friends Questions Articles Tags T\_UJJIEVE ▾


## Requests To be Accepted :

Number of Results: 1

ujjieve < 1 2020-05-09 12:04:04 UTC [Accept Friend Request](#) [reject Friend Request](#)

After accepting friend request:

View from T\_UJJIEVE profile:

 Home About


Conversations Friends Questions Articles Tags T\_UJJIEVE ▾

## Friends

Number of Friends: 1

1. UJJIEVE:->[send Message](#)

View from UJJIEVE profile:

 Home About


Conversations Friends Questions Articles Tags UJJIEVE ▾

## Friends

Number of Friends: 1

1. T\_UJJIEVE:->[send Message](#)

## 7. Posting Question

 Home About

Conversations Friends Questions Articles Tags UJJIEVE ▾

Search posts

search posts



Search posts by tags

search posts

Search users




search users

Questions

1   
0 


Corona-Virus

covid19,corona

New Question

After clicking New Question button:

 Home About

Conversations Friends Questions Articles Tags UJJIEVE ▾

Search posts

search posts

Search posts by tags

search posts

Search users

search users

Add new Question

Title

What is Corona?

Details

Some details about the question...

select tags from below

(\* use ctrl+mouse select to select multiple )

kantheiana

ceimanbea

covid19


corona

covid

Selected Tags::

covid19,corona,covid

Post Question



After Clicking Post Question button :

The screenshot shows the 'Post Question' form in the UJJIEVE application. The form is titled 'Question' and contains three main input fields: 'Title:' with the text 'What is Corona?', 'Details:' with the text 'Some details about the question...', and 'Tags:' with the text 'covid19,corona,covid'. Below the input fields, there is a row of metadata and action buttons. The metadata includes 'Posted\_ON: Sat May 09 17:15:37 IST 2020', 'Posted By: ujjiave', 'Last\_Edited: Sat May 09 17:15:37 IST 2020', 'Up votes: 0', and 'Down votes: 0'. There are also thumbs-up and thumbs-down icons, and an 'Edit' link. Below the metadata, there are four buttons: 'view Question Tags', 'show further details', 'show comments on questions', and 'add new question comment'. Below the buttons, there is a section titled 'Answers' with an 'add new answer' 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:

The screenshot shows the 'Add Comments to question' form. It has a title 'Add Comments to question' and a subtitle 'Your comment on the above question:'. Below the subtitle is a text input field with the text 'This question is good!'. Below the input field is a 'Submit Comment' button.

After posting comment:

The screenshot shows the 'Comments on Questions' section. It has a title 'Comments on Questions'. Below the title is a comment box with the text 'ujjiave: This question is good!'. Below the comment box is a row of metadata: 'commented\_By: ujjiave', 'commented\_On: Sat May 09 17:17:38 IST 2020', 'Last\_Edited\_on: Sat May 09 17:17:38 IST 2020', and 'Last\_Edited\_on: Sat May 09 17:17:38 IST 2020'. Below the metadata is a 'Destroy comment' link.

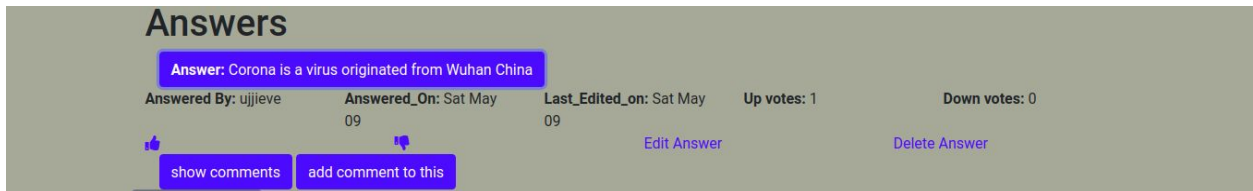
The option to edit and destroy is visible only to one who created it.

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



The screenshot shows the 'Answers' section of a website. At the top, there is a button labeled 'add new answer'. Below it, the text 'Add a answer:' is displayed. Underneath, it says 'Your answer on above question:'. A text input field contains the text 'Corona is a virus originated from Wuhan China'. At the bottom of the form, there is a blue button labeled 'Submit Answer'.

After clicking submit answer button

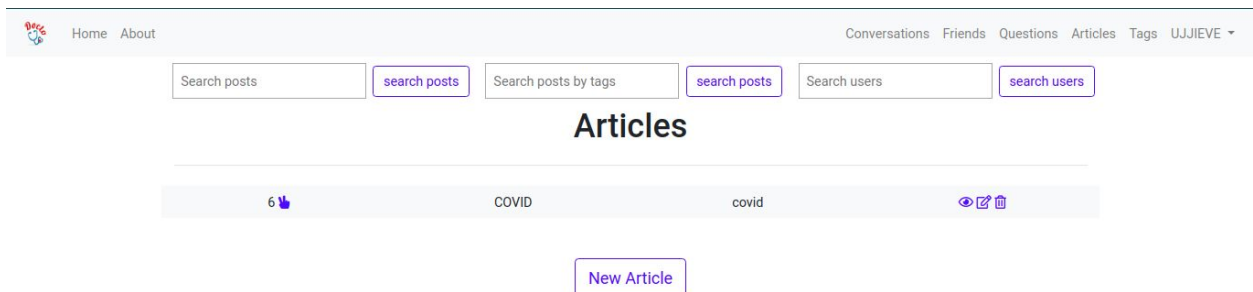


The screenshot shows the 'Answers' section after the answer has been submitted. The answer text 'Corona is a virus originated from Wuhan China' is now displayed in a blue box. Below the answer, the following information is shown: 'Answered By: ujjieve', 'Answered\_On: Sat May 09', 'Last\_Edited\_on: Sat May 09', 'Up votes: 1', and 'Down votes: 0'. There are also buttons for 'show comments', 'add comment to this', 'Edit Answer', and 'Delete Answer'.

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



The screenshot shows the 'Articles' section of a website. At the top, there is a navigation bar with links for 'Home', 'About', 'Conversations', 'Friends', 'Questions', 'Articles', 'Tags', and 'UJJIEVE'. Below the navigation bar, there are search bars for 'Search posts', 'Search posts by tags', and 'Search users'. The main heading 'Articles' is displayed. Below the heading, there is a row of buttons: '6', 'COVID', 'covid', and a button with an eye icon. At the bottom, there is a blue button labeled 'New Article'.

After clicking New article button:

HomeAbout

ConversationsFriendsQuestionsArticlesTagsUJJIEVE

Search posts

search posts

Search posts by tags

search posts

Search users

search users

Title

Covid-19: Novel Coronavirus

Details

Following an outbreak of pneumonia without a clear cause in the city of Wuhan in China, a novel strain of coronavirus (2019-nCoV) was detected in December 2019.

Coronaviruses were identified in the mid-1960s and are known to infect humans and a variety of animals (including birds and mammals). Since 2002, two coronaviruses infecting animals have evolved and caused outbreaks in humans: SARS-CoV (Severe Acute Respiratory Syndrome) identified in southern China in 2003, and MERS-CoV (Middle East Respiratory Syndrome), identified in Saudi Arabia in 2012. Together, they have caused more than 1600 deaths.

It's in these times of crisis where communities come together even more. As a publisher of trusted health science, we've made the relevant research articles, book chapters and entries in our major references freely available below, in support of the global efforts in diagnosis, treatment, prevention and further research in this disease and similar viral respiratory infections. Our approach is to use the world-class information we have available to directly improve health and to support the virtual efforts of healthcare practitioners globally. We are continually monitoring the developments and we will update the content of this page periodically.

Covid19

Post Article

Back

After clicking Post article button:

Article

Title :  
Covid-19: Novel Coronavirus

Article :  
Following an outbreak of pneumonia without a clear cause in the city of Wuhan in China, a novel strain of coronavirus (2019-nCoV) was detected in Decen

Tags :  
Covid19

Posted On: Sat May 09 17:23:04 IST 2020

Posted By: ujjie

Last Edited: Sat May 09 17:23:04 IST 2020

Likes : 1

view article Tags

Further Details

Edit

## 11. Searching Posts by keyword:

HomeAbout

ConversationsFriendsQuestionsArticlesTagsUJJIEVE

Corona

search posts

Search posts by tags

search posts

Search users

search users

Welcome! Ujjie

Recent Popular Questions

Recent Popular Articles

1  
0

What is Corona?

covid19,corona,covid

1  
0

Corona-Virus

covid19,corona

6  
1

COVID

covid

1

Covid-19: Novel Coronavirus

Covid19

After pressing the search posts button:

Questions :

Number of Results: 2

1. Corona-Virus  
[SHOW](#)

2. What is Corona?  
[SHOW](#)

Articles :

Number of Results: 1

1. Covid-19: Novel Coronavirus  
[SHOW](#)

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