Project ON

Social networking platform

BACHELOR OF TECHNOLOGY IN

COMPUTER SCIENCE AND ENGINEERING

NAME OF THE STUDENT: Jay Pathak

REGISTRATION NUMBER: 11702074

ROLL NUMBER: 13

SECTION: KM013



School of Computer Science and Engineering

Lovely Professional University Phagwara,
Punjab (India)

GITHUB LINK: https://github.com/jaypathak14/social-networking-site

Repository is divided into three main packages:

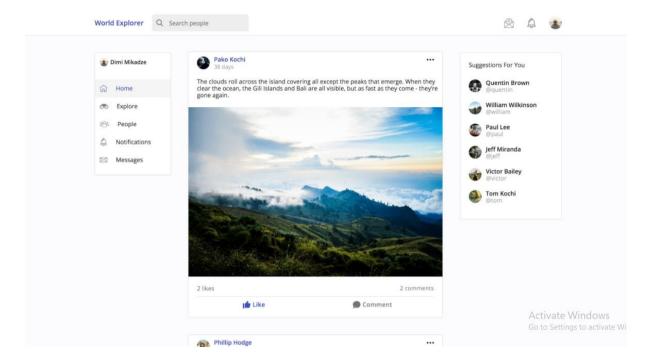
- **Api** This package contains API for Social Networking App, built with Nodejs, Express, GraphQL, Apollo Server and MongoDB with Mongoose.
- **Frontend** Is a frontend for Social Networking App, built with React, GraphQL, Apollo Client and Styled Components.
- **Lib** Is a Nodejs command line script, that helps users to install the Social Networking App with one command.

Features

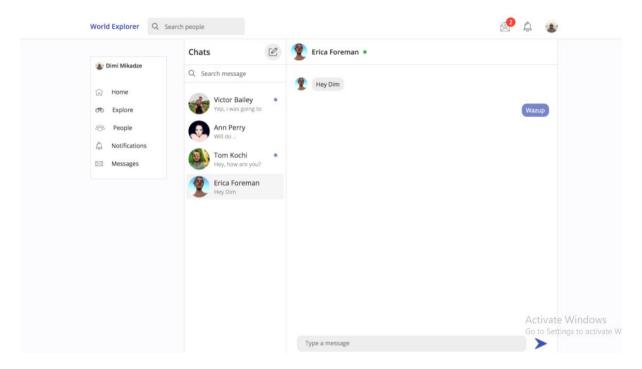
- Messenger Real time messaging system.
- **Notifications** Get instant notification when someone follows/messages you or likes/comments on your post.
- User Status Check if user is Online or not in real time.
- News Feed Fresh posts from people you are following.
- **Explore** New Posts and People.
- **Follow** a particular user and get notified for their activity.
- Personalize Profile With profile/cover photo and personal posts.
- Authentication & Authorization with Password reset functionality.

Ma'am tried to include comments as much as possible and Ma'am my postman was not working properly.

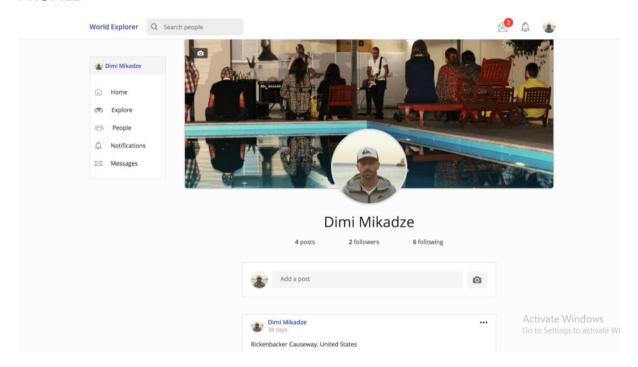
HOME



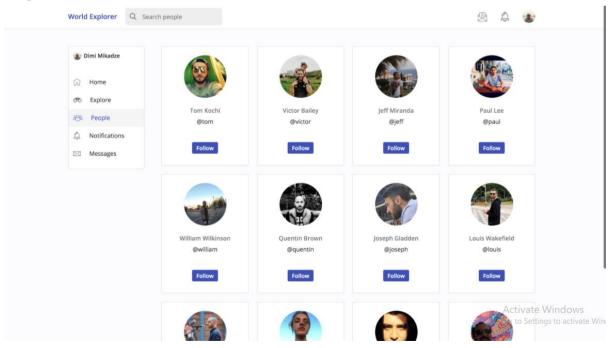
MESSAGES



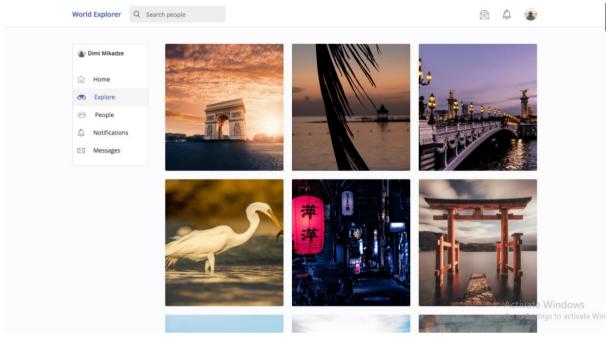
PROFILE



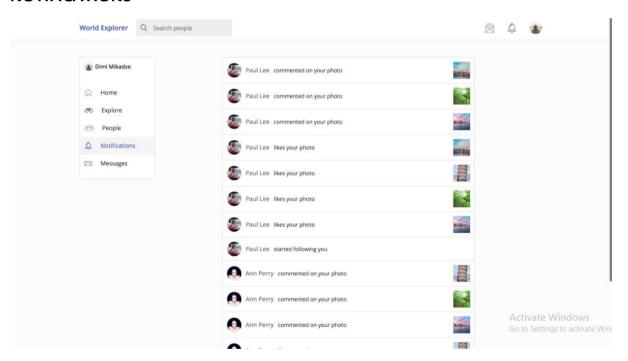
PEOPLE



EXPLORE



NOTIFICATIONS



CODE SNIPPETS

API MODELS

Server.js

```
mongoose
  .connect(process.env.MONGO_URL, {
    useCreateIndex: true,
    useNewUrlParser: true,
    useFindAndModify: false,
   useUnifiedTopology: true,
  .then(() => console.log('DB connected'))
  .catch((err) => console.error(err));
// Initializes application
const app = express();
// Enable cors
const corsOptions = {
 origin: process.env.FRONTEND URL,
  credentials: true,
};
app.use(cors(corsOptions));
// Create a Apollo Server
const server = createApolloServer(schema, resolvers, models);
server.applyMiddleware({ app, path: '/graphql' });
// Create http server and add subscriptions to it
const httpServer = createServer(app);
server.installSubscriptionHandlers(httpServer);
// Listen to HTTP and WebSocket server
const PORT = process.env.PORT || process.env.API PORT;
httpServer.listen({ port: PORT }, () => {
  console.log(`server ready at http://localhost:${PORT}${server.graphqlPath}`)
 console.log(`Subscriptions ready at ws://localhost:${PORT}${server.subscript
ionsPath}`);
});
```

Follow.js

Comment.js

```
### Scomment | Scommen
```

Message.js

Like.js

Notification.js

Post.js

FRONTEND

AuthHeader.js

```
const Root = styled.div`
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
  display: flex;
  flex-direction: row;
  align-items: center;
 height: 80px;
 background-color: transparent;
const StyledContainer = styled(Container)`
 width: 100%;
  display: flex;
  flex-direction: row;
  justify-content: center;
  align-items: center;
  padding: 0 ${(p) => p.theme.spacing.sm};
 @media (min-width: ${(p) => p.theme.screen.md}) {
    justify-content: space-between;
const Logo = styled(A)`
 display: none;
  color: ${(p) => p.theme.colors.white};
  font-size: ${(p) => p.theme.font.size.sm};
  font-weight: ${(p) => p.theme.font.weight.bold};
  &:hover {
    color: ${(p) => p.theme.colors.white};
  @media (min-width: ${(p) => p.theme.screen.md}) {
   display: block;
```

Comment.js

```
EXPLORER
                                                                      JS Comment.js ×
D
                                                                       frontend > src > components > JS Comment.is > ...
            CREATE-SOCIAL-NETWORK-MASTER
                                                                          22
23
24
25
26
27
28
                                                                                   const DeleteButton = styled.button
            > api
                                                                                      cursor: pointer;
display: none;
             > public
                                                                                     background-color: transparent;
border: 0;
outline: 0;
position: absolute;
              ∨ src
                > App
                                                                          29
30
31
32
33
34
35
36
37
                                                                                      right: 7px;
                  > PostCard
                  > PostPopup
                                                                                  const Root = styled.div`
display: flex;
flex-direction: row;
padding: $\fo(p) => p.\theme.spacing.xxs\} \theta;
font-size: $\fo(p) => p.\theme.font.size.xxs\};
                  > Search
                 JS Confirm.js
                                                                          38
39
40
41
                 JS CreatePost.js
                                                                                     &:hover ${DeleteButton} {
    display: block;
                 JS Empty.is
                 JS Form.js
                                                                          42
                                                                          43
44
45
                 JS Head.js
                                                                                   const UserName = styled.div`
color: ${(p) => p.theme.colors.primary.main};
font-weight: ${(p) => p.theme.font.weight.bold};
                 JS InfiniteScroll.js
                 JS Layout.js
                                                                          46
                                                                          47
                 JS Loading.is
                 JS Message.js
                                                                                     position: relative;
word-wrap: break-word;
overflow: hidden;
nadding: 0 ${(n) => n
                 JS Modal.js
                                                                          51
52
                 JS NotFound.is
```

Avatar.js

```
JS Avatar.js ×
0
                                                           frontend > src > components > J5 Avataris > ....
1  import React from 'react';
2  import PropTypes from 'prop-types';
3  import styled from 'styled-components';
           OPEN EDITORS
           CREATE-SOCIAL-NETWORK-MASTER
           > api
            > public
                                                                      import { UserIcon } from './icons';
            ∨ src
                                                                      const Root = styled.div
                                                                       const Root = styled.div'
width: ${(p) => (p.size ? `${p.size}px' : '30px')};
height: ${(p) => (p.size ? `${p.size}px' : '30px')};
borden-radius: 50%;
overflow: hidden;
flex-shrink: 0;
               > App
                                                              10
11
12
13
14
15
16
17
               > PostCard
               > PostPopup
                                                                     const Image = styled.img`
width: 100%;
height: 100%;
object-fit: cover;
               JS Confirm.is
               JS CreateComment.js
               JS CreatePost.js
               JS Empty.is
                                                              21
22
23
24
25
26
27
28
                                                                      JS Form.is
               JS Head.js
               JS InfiniteScroll.js
               JS Layout.js
                                                                      );
               JS Loading.is
                                                                      Avatar.propTypes = {
    size: PropTypes.number,
               Js Message.js
                                                                        image: PropTypes.string,
               Js Modal.js
               JS NotFound.js
```

Follow.js

```
JS Follow.js ×
0
        OPEN EDITORS
                                              frontend > src > components > JS Follow.js > [●] Button
                                                     /**

* Component for rendering follow button

*/
                                                                                                                                                                                    SA73 E-
        CREATE-SOCIAL-NETWORK-MASTER
        > api
                                                                                                                                                                                    No.
                                                     > public
                                                                                                                                                                                     William States
         ∨ src
                                               41
                                               42
43
44
45
          > App
           > PostCard
           > PostPopup
                                                          unst options = {
    create: {
      mutation: CREATE_FOLLOW,
      variables: { userId: user.id, followerId: auth.user.id },
 0
           > Search
           JS Avatar.is
                                               49
50
51
52
53
54
55
56
57
58
59
60
61
                                                          delete: [
           JS Confirm.is
                                                            mutation: DELETE_FOLLOW,
variables: { id: isFollowing ? isFollowing.id : null },
           JS CreateComment.js
           JS CreatePost.js
                                                          },
                                                       JS Empty.is
           JS Form.js
           JS Head.js
           JS InfiniteScroll.js
           JS Layout.js
                                                              query: GET_FOLLOWED_POSTS,
variables: {
  userId: auth.user.id,
           JS Loading.is
                                               62
63
64
65
           JS Message.js
                                                                 skip: 0,
limit: HOME_PAGE_POSTS_LIMIT,
           JS Modal.js
           JS NotFound.is
                                                              1.
                                                                                                                                                   Ln 31, Col 26 Spaces: 2 UTF-8 LF JavaScript 🛱 🚨
```

Message.js

```
□ ...
0
              OPEN EDITORS
                                                                              frontend > src > components > JS Message.js > ...
                                                                                19
20
21
              CREATE-SOCIAL-NETWORK-MASTER
                                                                                                  opacity: 0;
                                                                                              to {
                                                                                        bottom: 0;
opacity: 1;
}
                   > App
                                                                                 22
                                                                                 23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
                    > PostCard
                    > PostPopup
                    > Search
                   JS Avatar.is
                                                                                           * Default styles for message
*/
                   JS Confirm.js
                                                                                           const Root = styled.div
                                                                                              const Root = styled.div'
position: fixed;
width: 100%;
box-shadow: ${(p) => p.theme.shadows.md);
padding: ${(p) => p.theme.spacing.sm);
z-index: ${(p) => p.theme.zIndex.xl};
display: flex;
flex-direction: row;
justify-content: center;
slem.direction:
                    JS CreateComment.js
                    JS CreatePost.is
                    JS Empty.js
                    JS Form.js
                    JS InfiniteScroll.is
                                                                                              Jastin-toment center, align-ttems: center; background-color: ${(p) => p.color && p.color}; animation: ${fade} 0.3s ease-out forwards; color: ${(p) => p.theme.colors.white};
                    JS Layout.js
                                                                                 39
40
                    JS Like.js
                                                                                 41
42
43
44
45
46
47
                                                                                           const Close = styled(Button)`
  position: absolute;
  right: 20px;
                   JS Skeleton.js
                   Js Text.js
                                                                                              top: 24px;
                                                                                 48
                   > graphql
                                                                                                                                                                                                                                                           Ln 1, Col 1 Spaces: 2 UTF-8 LF JavaScript R Q
```

InfiniteScroll.js

```
□ …
                                                           JS InfiniteScroll.js ×
0
           EXPLORER
           OPEN EDITORS
           CREATE-SOCIAL-NETWORK-MASTER
                                                              28
                                                                              if (data.length >= count) {
                                                              29
30
31
32
                                                                                 window.removeEventListener('scroll', handleScroll);
           v frontend
            > public
                                                                              // Load more data if user has scrolled to bottom and if there's still data in db to display
                                                              33
34
35
36
37
38
39
40
41
42
              components
                                                                              if (scrolled) {
  window.removeEventListener('scroll', handleScroll);
  loadMore();
              > App
              > icons
               > PostCard
               > PostPopup
                                                                           [count, data.length, dataKey, fetchMore, variables]
               > Search
              JS Comment.is
                                                                       useEffect(() => {
  window.addEventListener('scroll', handleScroll);
               JS Confirm.js
               JS CreateComment.js
                                                                           return () => window.removeEventListener('scroll', handleScroll);
                                                              45
46
47
48
49
               JS CreatePost.js
                                                                        }, [handleScroll]);
               JS Followis
                                                                        return children(data);
               JS Form.js
                                                                     1:
                                                              50
51
52
53
54
                                                                     InfiniteScroll.propTypes = {
   data: PropTypes.array.isRequired,
   dataKey: PropTypes.string.isRequired,
   count: PropTypes.number.isRequired,
   fetchMore: PropTypes.func.isRequired,
   variables: PropTypes.object.isRequired,
   children: PropTypes.func.isRequired,
               JS Like.is
              JS Loading.js
              Js Message.js
              JS Modal.is
                                                                     };
                                                                                                                                                                                                             Spaces: 2 UTF-8 LF JavaScript ₽ □
```

Text.js

```
×
           EXPLORER
                                                             JS Text.is
0
           OPEN EDITORS
                                                             frontend > src > components > JS Text.is >
                                                                       export const A = styled(Link)
           CREATE-SOCIAL-NETWORK-MASTER
                                                                         xport const A = styled(Link)
text-decoration: none;
transition: color 0.1s;
display: inline-block;
color: ${(p) => (p.color ? p.theme.colors[p.color] : p.theme.colors.text.secondary)};
font-weight: ${(p) => (p.weight ? p.theme.font.weight[p.weight] : p.theme.font.weight.normal));
font-size: ${(p) => (p.size ? p.theme.font.size[p.size] : p.theme.font.size.xs)};
                > App
                                                               15
16
17
               > icons
                > PostCard
                > PostPopup
                > Search
                                                                         8:hover {
    color: ${(p) => p.theme.colors.text.primary};
}
                                                               21
               JS Comment is
                                                               22
23
24
25
               JS Confirm.js
               JS CreateComment.is
               JS CreatePost.is
                                                               26
27
28
29
                                                                       * Component for wrapping error messages
*/
               JS Empty.js
               JS Follow.is
                                                                       export const Error = styled.div'
color: ${(p) => (p.color ? p.theme.colors[p.color] : p.theme.colors.error.main)};
font-size: ${(p) => (p.size ? p.theme.font.size[p.size] : p.theme.font.size.sm)};
               JS Form.js
               JS Head.js
                                                               30
31
32
33
34
                JS InfiniteScroll.js
               JS Layout.js
                                                                       /** $\!\!|^* Helper function for adding styles to Heading components
               JS Like.js
                                                               35
36
37
38
                Js Message.is
                                                                       * @param {string} size, size of text
*/
               JS Modal.js
               JS NotFound.js
                                                                       const getHeadingStyles = (size) => css'
                                                                         Skeleton.is
                                                               42
              > graphql
```

NODE FILES

Index.js

```
const currentNodeVersion = process.versions.node;
const semver = currentNodeVersion.split('.');
const major = semver[0];

if (major < 8) {
    console.error(
        'You are running Node ' +
            currentNodeVersion +
            '.\n' +
            'Create Social Network requires Node 8 or higher. \n' +
            'Please update your version of Node.'
    );
    process.exit(1);
}
require('./createSocialNetwork');</pre>
```

Index.js

```
| Sindex|s | Sindex|s
```

CreateSocialnetwork.js

Validate file

Cleanuppackage.js