loop

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Overview of project

Loop allows the students to post any kind of question or doubt and follow the people of their interest. The user may delete/ disable the account later if they are interested.

The application is built using html, css and javascript at front-end and nodejs at the back-end.

There hasn't been much requirement of the frameworks and libraries for front-end as css and javascript were pretty-enough so far and they provided more liberty in design than any framework would provide to us like bootstrap…
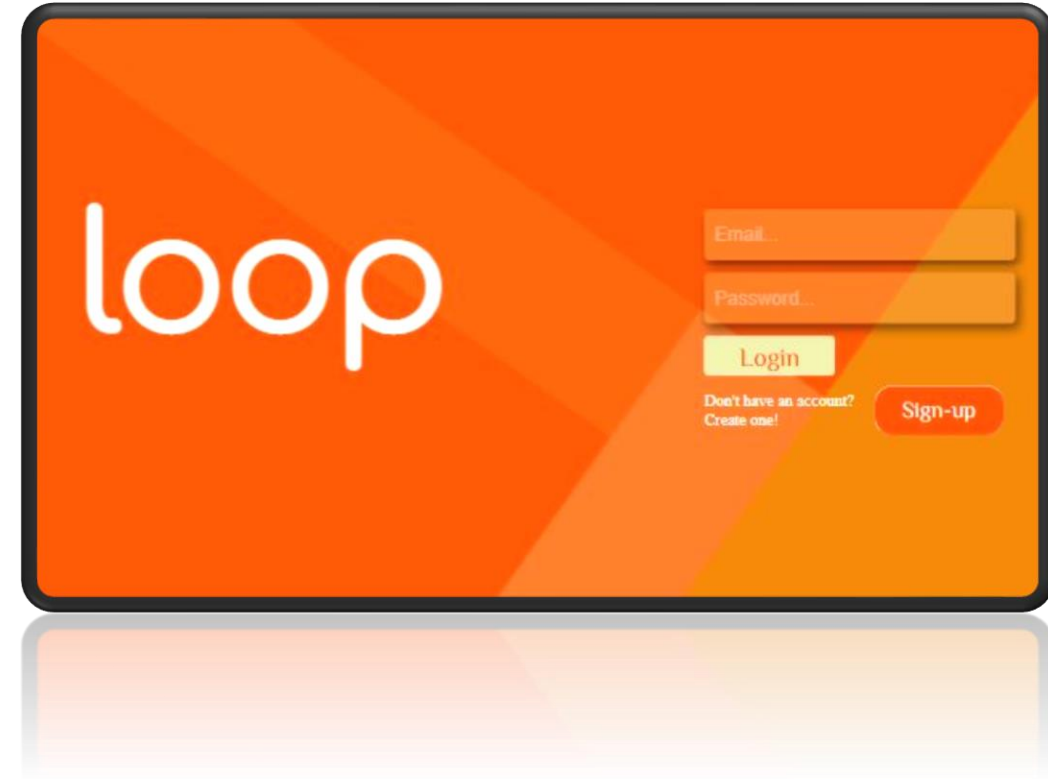
Login page -

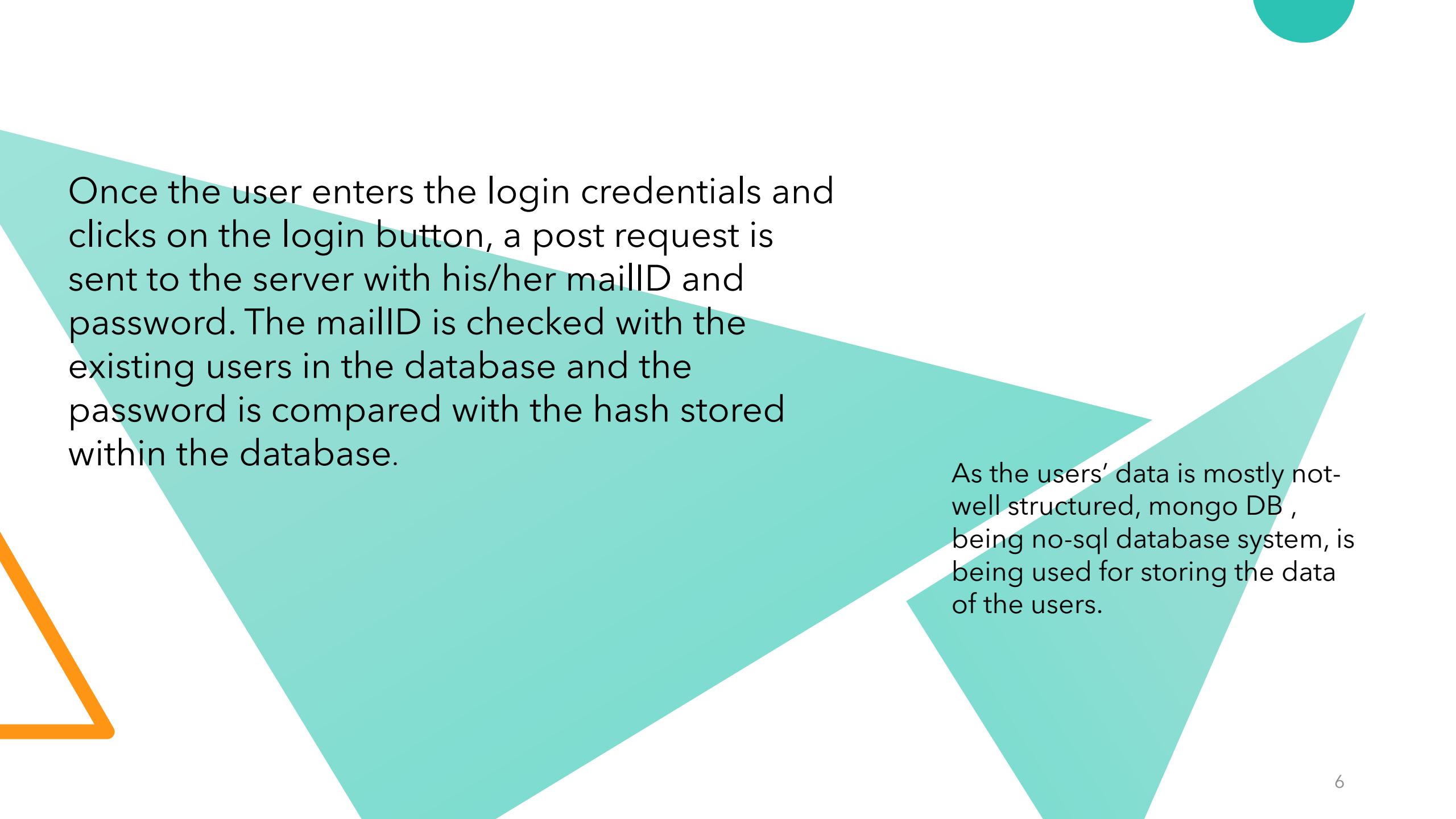A simple-responsive login page designed using html, plain css.

Desktop

Tablet

Once the user enters the login credentials and clicks on the login button, a post request is sent to the server with his/her mailID and password. The mailID is checked with the existing users in the database and the password is compared with the hash stored within the database.

As the users' data is mostly not-well structured, mongo DB , being no-sql database system, is being used for storing the data of the users.

Sign-up page

loop

create
an
account

First Name...

Last Name...
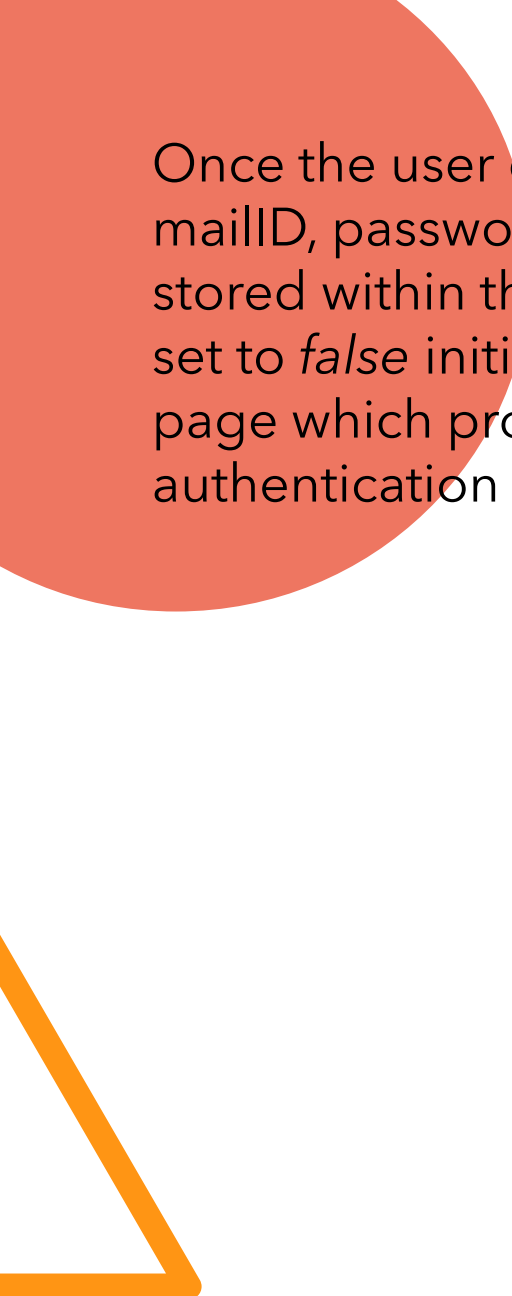
User Name...

Institute MailID...

Set a password...

Re-enter password...

Create new account!

Once the user enters the details – name, username, mailID, password… and clicks enter, the user data is stored within the database with the **active** property set to *false* initially. The user is then directed to a page which prompts him/her to enter the 10-letter authentication code sent to his/her mail.
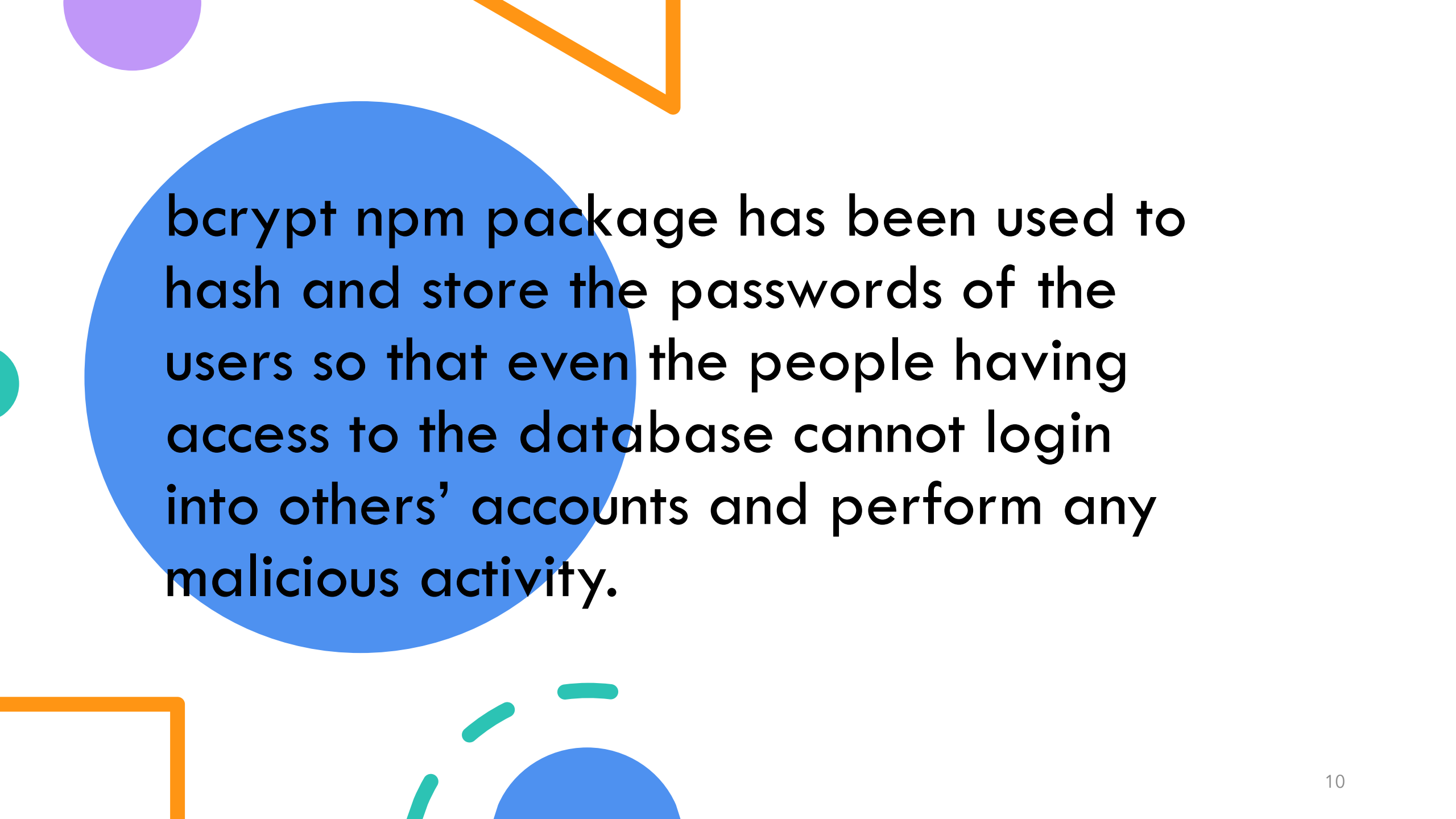
The user's **active** property is set to *true* after entering the authentication code sent to the mail and is directed to the login page where user can login into the website using the mailID and password.
The user cannot login into website until his/her mail has been verified.

Enter the auth code sent to your mail:

[input field] Submit

The user has to enter the auth code sent to his mail to verify his/her account.

bcrypt npm package has been used to hash and store the passwords of the users so that even the people having access to the database cannot login into others' accounts and perform any malicious activity.

Once the user logins, his/her data gets stored in the browser in the form of cookies so that they are directly taken to the home page of the website until they logout of the website or the cookie-session expires.

Cookie
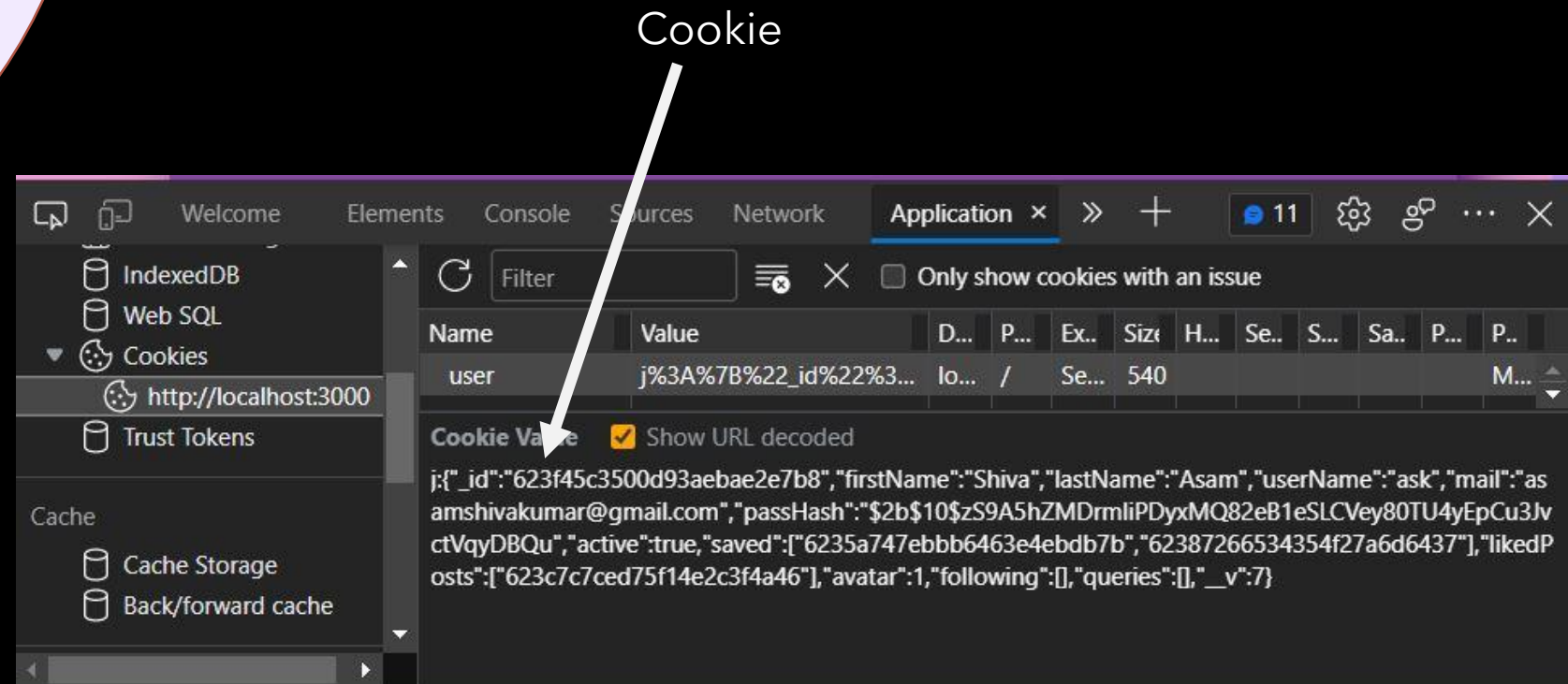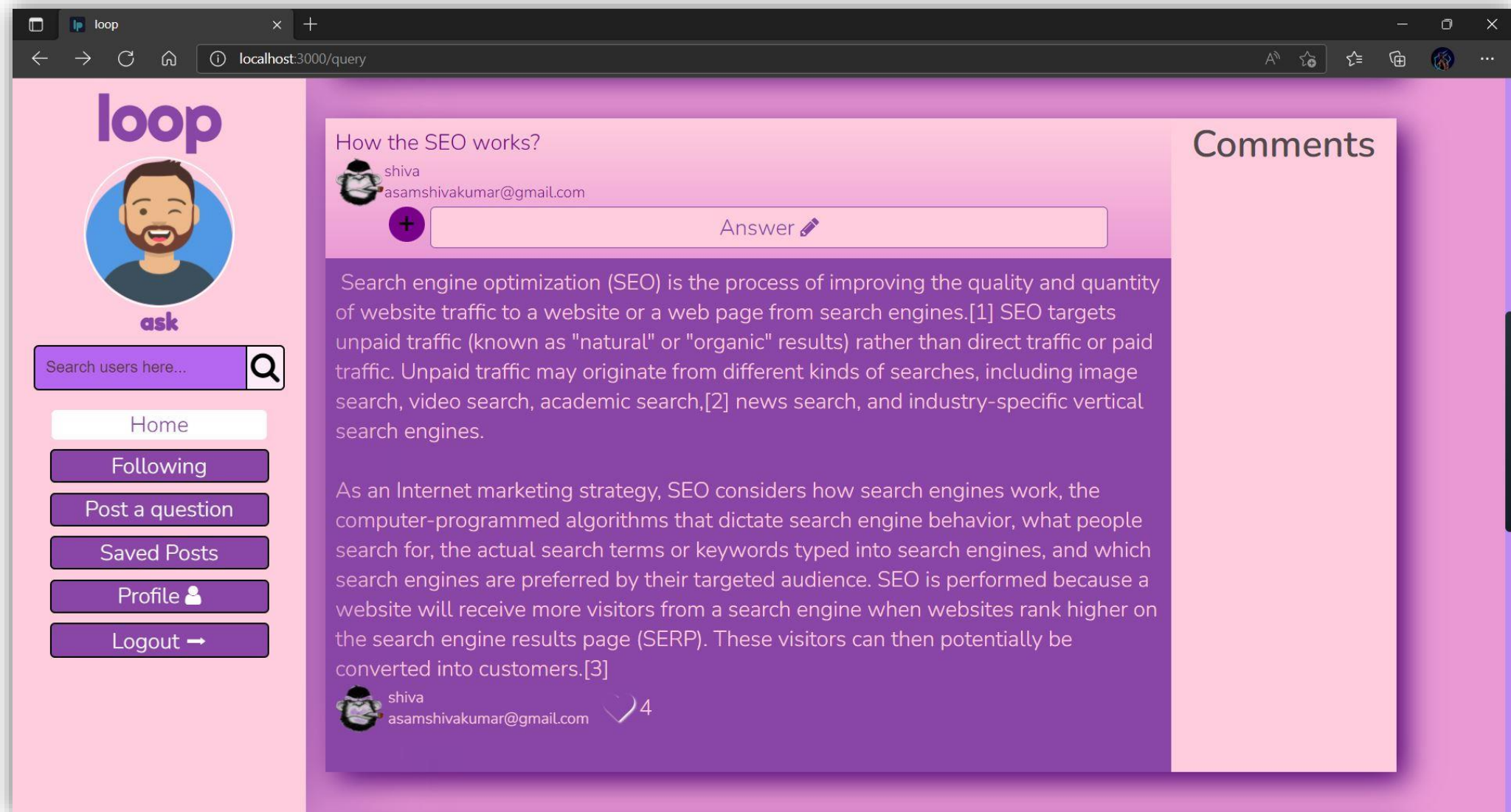
Home-

Different sections of home page –
Each post has a similar structure where every question is
followed by a series of answers posted by the users.

Query-part

Answers-portion

Comments

How the SEO works?

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Answer ✏️

Comments

Search engine optimization (SEO) is the process of improving the quality and quantity of website traffic to a website or a web page from search engines.[1] SEO targets unpaid traffic (known as "natural" or "organic" results) rather than direct traffic or paid traffic. Unpaid traffic may originate from different kinds of searches, including image search, video search, academic search,[2] news search, and industry-specific vertical search engines.

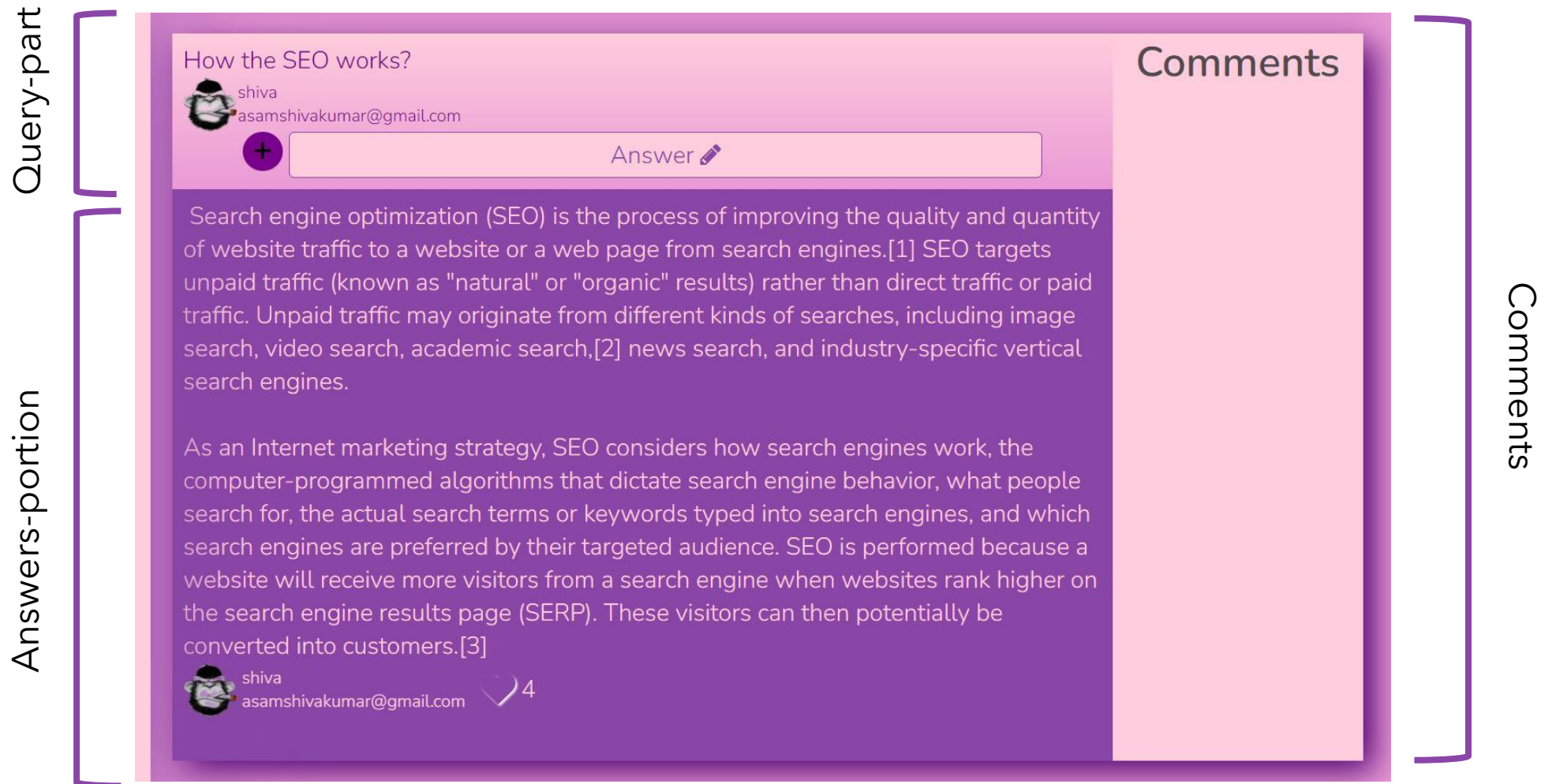As an Internet marketing strategy, SEO considers how search engines work, the computer-programmed algorithms that dictate search engine behavior, what people search for, the actual search terms or keywords typed into search engines, and which search engines are preferred by their targeted audience. SEO is performed because a website will receive more visitors from a search engine when websites rank higher on the search engine results page (SERP). These visitors can then potentially be converted into customers.[3]

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Query-part:
The question is followed by the details (user-name and mailID)
of the user who posted the question, a button which enables
the users to save the post and a button which allows the users
to answer the question on clicking it.

Question-

How the SEO works?

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+   Answer ✎

User-avatar followed
by his/her user-name
and mail

Users can save the
post by clicking on
this button

Opens a small window
with a text-field to enter
the answer *on click*
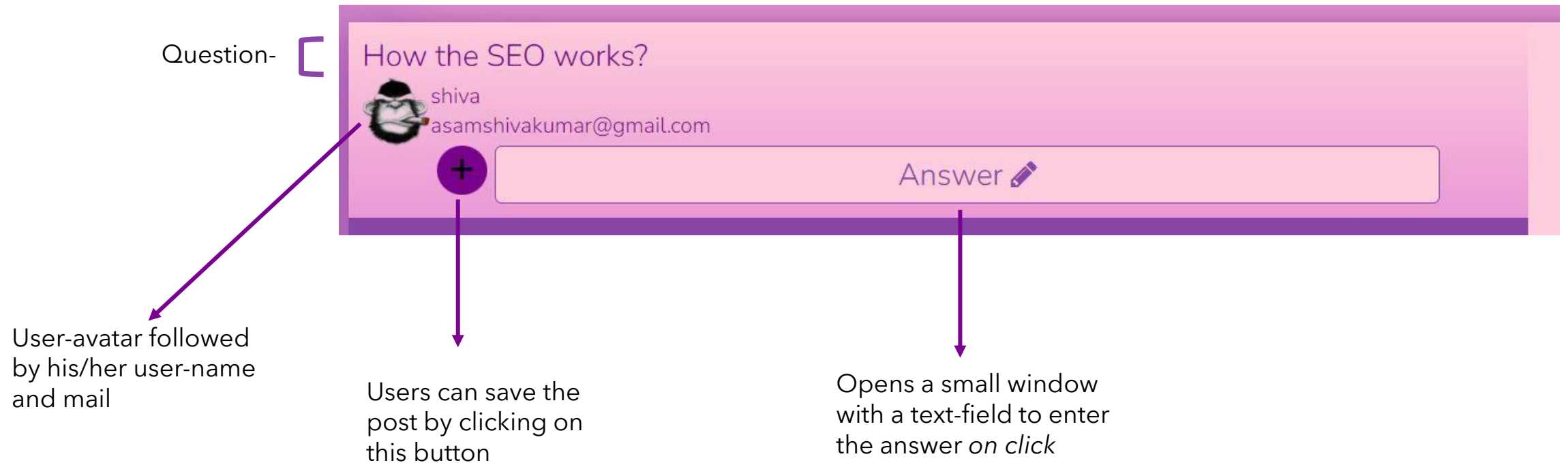
Answers-part:
Each query is followed by a series of answers each of which
has a similar structure – answer, details of the user, like –
button and like-count.

Answer

 Search engine optimization (SEO) is the process of improving the quality and quantity
of website traffic to a website or a web page from search engines.[1] SEO targets
unpaid traffic (known as "natural" or "organic" results) rather than direct traffic or paid
traffic. Unpaid traffic may originate from different kinds of searches, including image
search, video search, academic search,[2] news search, and industry-specific vertical
search engines.

As an Internet marketing strategy, SEO considers how search engines work, the
computer-programmed algorithms that dictate search engine behavior, what people
search for, the actual search terms or keywords typed into search engines, and which
search engines are preferred by their targeted audience. SEO is performed because a
website will receive more visitors from a search engine when websites rank higher on
the search engine results page (SERP). These visitors can then potentially be
converted into customers.[3]

User-
details

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Like-
count

Like button

Sidebar on the left of the page displays the users' avatar and user-name, a search bar to search for the users and navigation div.

loop

ask
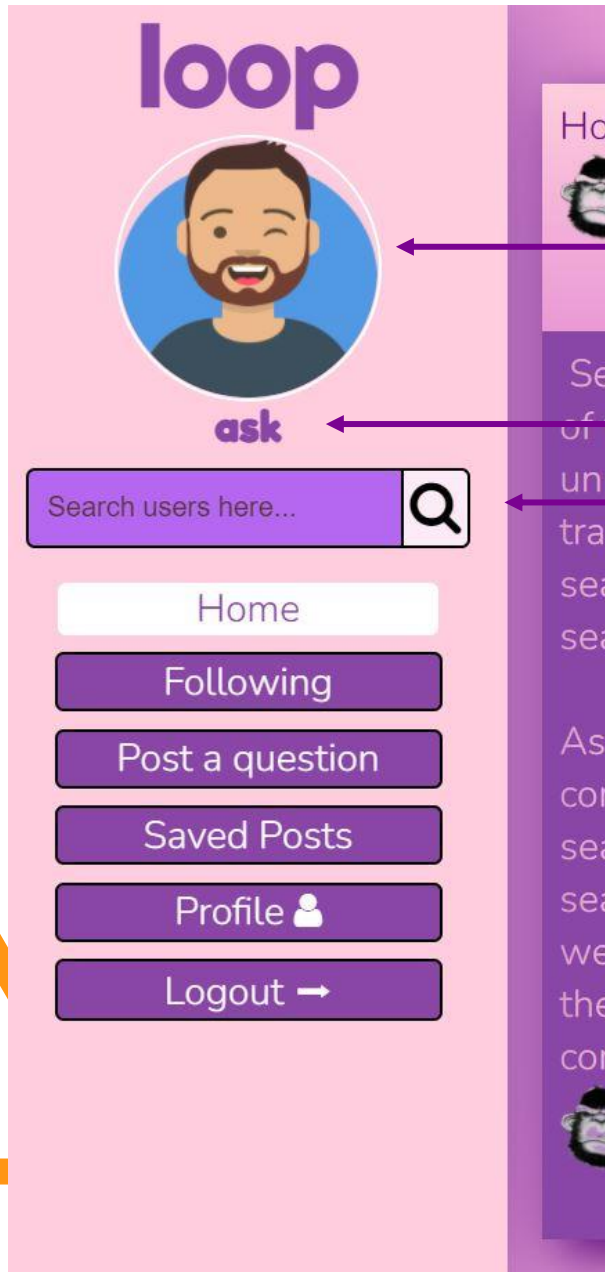
User-icon/user-avatar
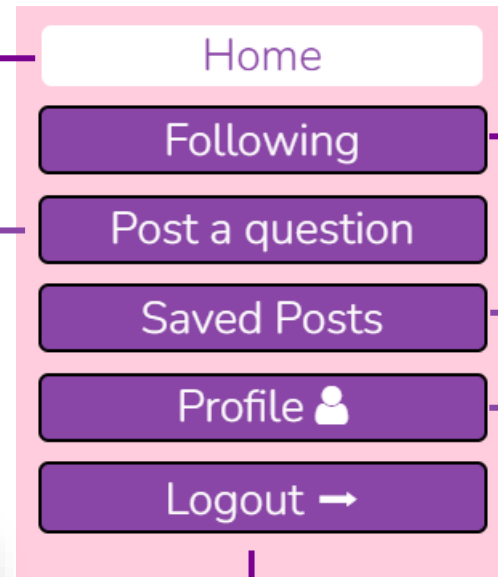This is the default avatar assigned to the user. User can later change it in the profile section of the page

User-name

Search bar

Search users here...

Home

Following

Post a question

Saved Posts

Profile

Logout
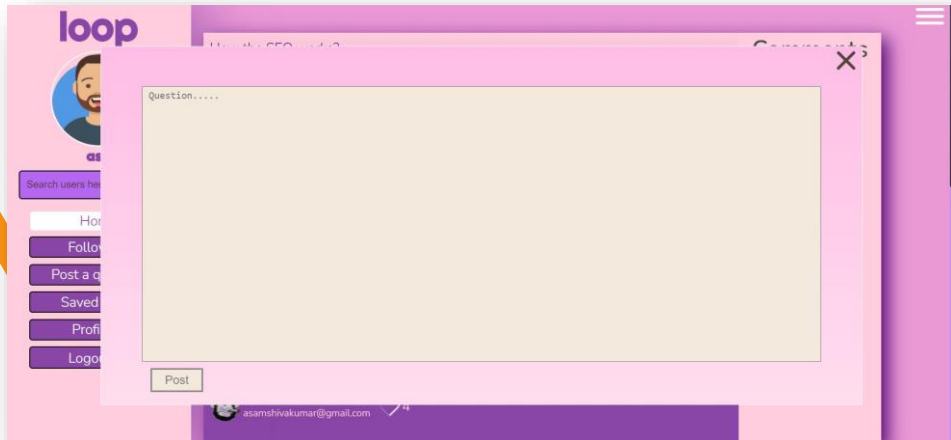
Navigation to through different pages of the site

Directs to home-page. As we are presently in home page, clicking this button doesn't make much difference.

Opens a page containing the Q&A posted by the followees.
(not implemented as of now)

Opens a small window to post a new question as shown below -

Opens the saved-posts page with the posts saved by the user.

Opens the profile page

Logs-out the user by deleting the cookie and the user is directed to the login page.

Home

Following

Post a question

Saved Posts

Profile

Logout →

Profile-page

The user can view & delete the queries and answers he/she has posted, change the account settings like- username, avatar, ... and deleting his/her account in this page.
(The page hasn't been completely created as of now)
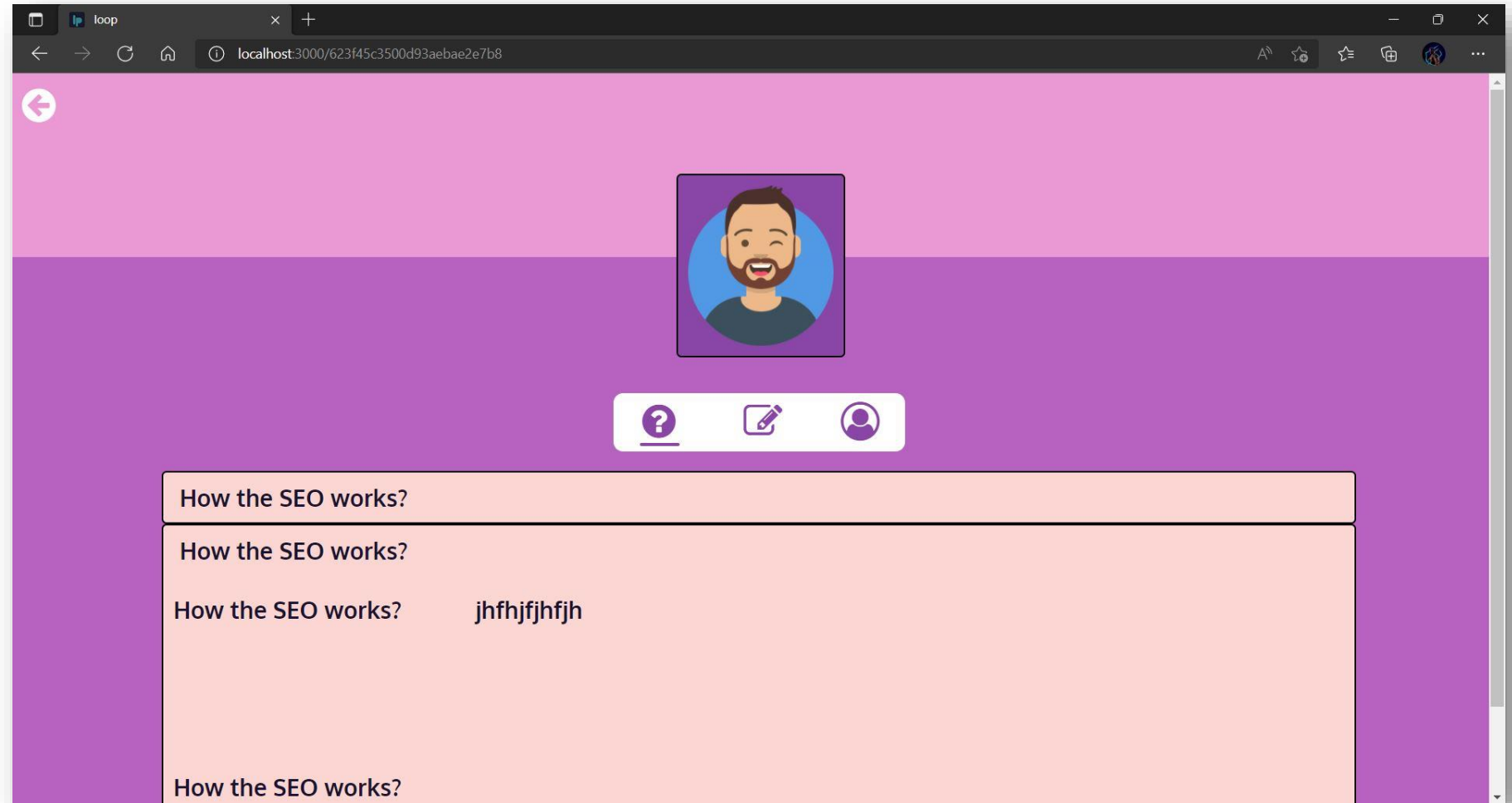
Thank you

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Section A