**3. How Does It Work ?**   
Firstly, I break the structure of the system, I realize that using seperated database help me in manage information easily..

**3.1 Structure Of Database:**

**Coursework Database:**

* **User:**
  + ID
  + UserName
  + Password
* **Question:**
  + ID
  + Name
  + Tags
  + Comments
  + Publisher
* **Comment:**
  + ID
  + Comment
  + QuestionID
* **Image:**
  + ID
  + ImageField
  + QuestionID
* **Notification**
  + ID
  + Title
  + Detail
  + Reply
  + UserID

**4. Tech in use**

**HTML (HyperText Markup Language):**

HTML is the backbone of web pages. It provides the structure and content of a webpage through a system of markup tags. HTML defines the basic layout of a webpage, including headings, paragraphs, images, links, and other elements. It's essential for creating the semantic structure of your web content.

**CSS (Cascading Style Sheets):**

CSS is used to style the HTML elements defined in your webpage. It allows you to control the presentation, layout, and design of your website, including aspects such as colors, fonts, spacing, and positioning. CSS enables you to create visually appealing and consistent designs across multiple pages of your website.

**JavaScript (JS):**

JavaScript is a versatile programming language that adds interactivity and dynamic behavior to web pages. With JavaScript, you can create features like interactive forms, animations, image sliders, and much more. It's particularly useful for enhancing user experience by providing real-time feedback and responsiveness.

PHP (Hypertext Preprocessor):

**PHP** is a server-side scripting language commonly used for web development. It's used to handle tasks that cannot be accomplished by HTML and CSS alone, such as processing form data, interacting with databases, and generating dynamic content. PHP runs on the server, which means it can dynamically generate HTML content before sending it to the client's web browser.

**Bootstrap:**

Bootstrap is a front-end framework that provides a collection of pre-designed and pre-built components, layouts, and stylesheets to streamline the process of building responsive and mobile-first websites. It's based on HTML, CSS, and JavaScript, and it offers ready-made solutions for common web design challenges, such as grid systems, navigation bars, buttons, forms, and more.

In project, using HTML, CSS, JavaScript, PHP, and Bootstrap together allows to:

* Create the structure and content of your webpage with HTML.
* Style and design your webpage with CSS, ensuring consistency and visual appeal.
* Add interactivity and dynamic behavior to your webpage with JavaScript.
* Handle server-side operations, such as form processing and database interaction, with PHP.
* Utilize Bootstrap's pre-designed components and responsive grid system to build a mobile-friendly and visually consistent layout.

**5. Function of the website:**

**Displaying a list of questions/posts (Homepage):**

This function serves as the landing page of the website where users can browse through a list of posts/questions.

* Each post typically includes the title, content, author, date/time of posting, and possibly other metadata such as tags or categories.
* Pagination is implemented to limit the number of posts displayed per page, with navigation options to navigate between pages.
* Users can click on a post title to view the full post and its comments, if applicable.

**User Page (User Profile/Management):**

Users have their own profile page where they can manage their posts and account settings.

Key functionalities include:

* Add Post: Users can create new posts/questions by providing a title, content, and optionally uploading a screenshot.
* Edit Post: Users can modify the content of their existing posts.
* Delete Post: Users can remove their posts from the platform.
* Upload Avatar: Users can upload an avatar/profile picture to personalize their profile.
* Authentication and authorization mechanisms ensure that users can only perform actions on their own posts and profile..
* Tracking notification

**Upload Screenshot (Post Creation/Editing):**

This feature allows users to upload screenshots along with their posts to provide visual context or aid in explaining their questions or problems.

* Upon creating or editing a post, users can select an image file from their device and upload it to the server.
* The uploaded screenshots are stored securely and associated with the respective post for easy retrieval and display.

**Admin Page (Administrative Dashboard):**

The admin page is accessible only to authorized administrators and provides a range of functionalities to manage the website and user activity.

Key functionalities include:

* Receive Notifications: Admins receive notifications for new posts, comments, or user activities requiring attention.
* Create User: Admins can create new user accounts, assigning roles and permissions as needed.
* Delete User: Admins have the authority to delete user accounts, with options to suspend or ban users if necessary.
* Reply to User: Admins can directly interact with users by replying to their posts or messages, providing assistance or guidance.
* Security measures are implemented to safeguard admin access and ensure that sensitive actions are performed securely.

**Ability to manage list of module names.**

This function is arrange the question to module. This is will be inser by user. User can use it by using filter. The module is already exist by developer.

**6. Detailed consideration of any legal, social and ethical issues including   
personal data storage and an understanding of GDPR. ‘**

**Legal, Social, and Ethical Considerations**

Several legal, social, and ethical considerations have been made in the construction and management of our website, especially those pertaining to the keeping of personal data and adherence to the General Data Protection Regulation (GDPR).

**Storage of Personal Data**

Personal information including user IDs, usernames, and passwords are stored in our system. We have put strong security procedures in place to safeguard this information because we recognize how critical it is. Every piece of personal information is securely saved, and access is closely regulated. Even in the case of a data breach, passwords are salted and hashed to prevent unwanted access.

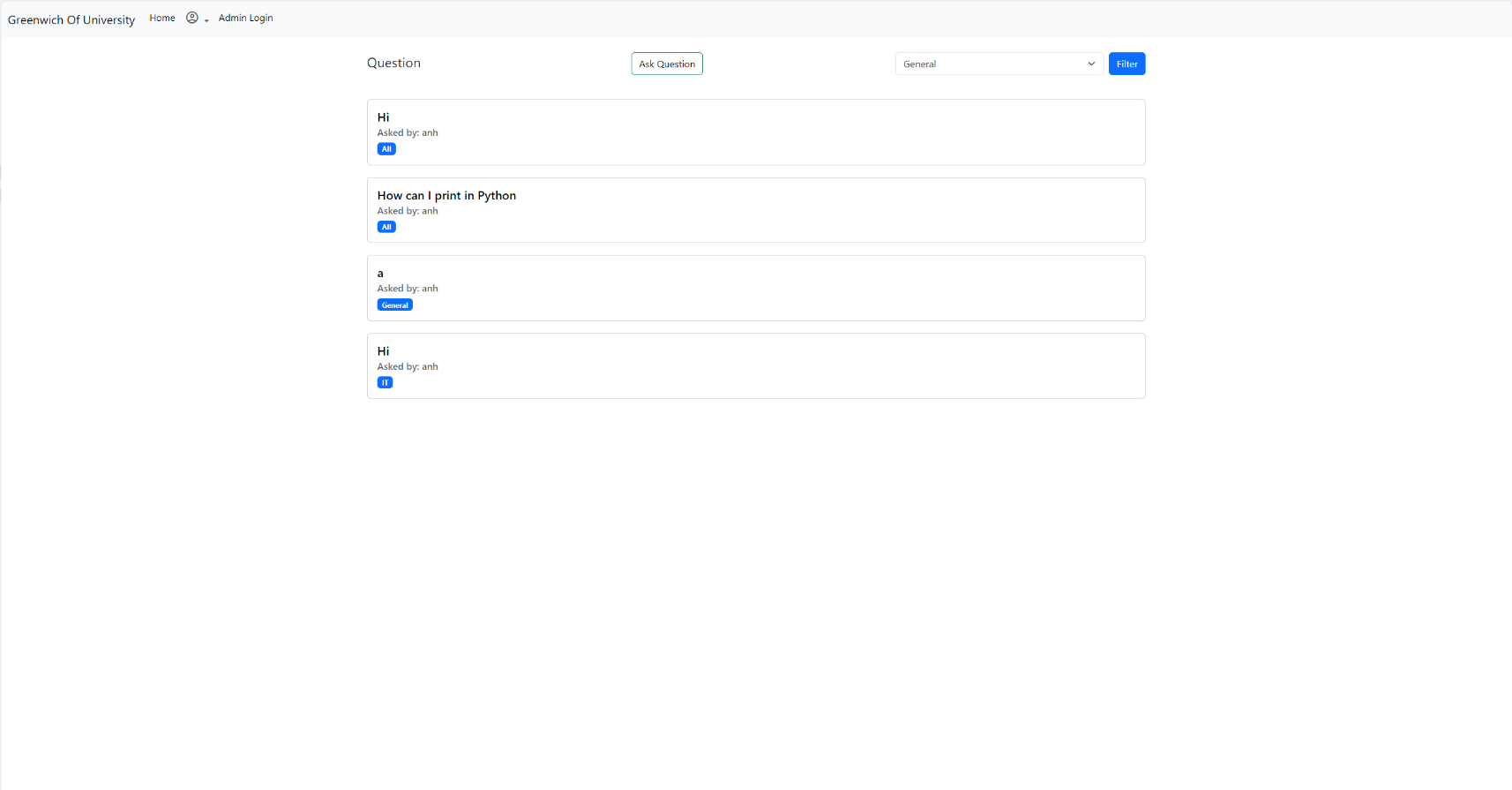
**Recognizing the GDPR**   
  
The General Data Protection Regulation (GDPR) is a piece of EU legislation that safeguards people's personal information and privacy throughout the EU and EEA. The transmission of personal data outside of these areas is likewise covered.   
  
We have put the following procedures into place as part of our dedication to GDPR compliance:

* **Consent:** Prior to collecting and using our users' personal data, we make sure to have their unambiguous and explicit consent.
* **Right of Access:** Users are entitled to see their personal data as well as details on its processing.
* **Erasure Rights:** This feature, also referred to as the "right to be forgotten," enables users to ask that their personal information be removed from our servers.
* **Data Portability:** Users are entitled to a machine-readable copy of their personal data and to have it moved to a different controller.
* **Privacy by Design:** From the beginning of the design process all the way through to the end, we have included data protection into our business procedures and processing operations.

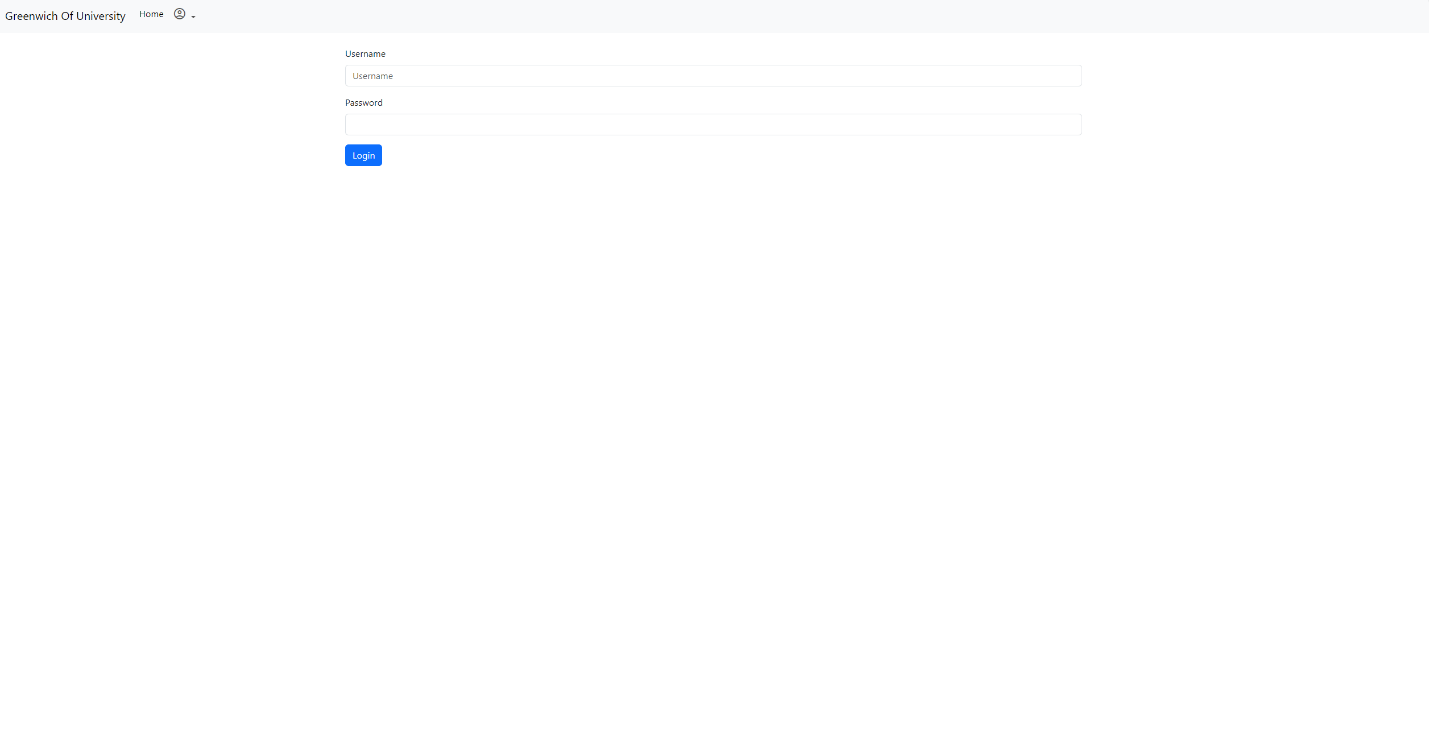
**Social and Moral Concerns**   
  
Like any technology, we acknowledge that our platform may have social and ethical ramifications. We work hard to establish a courteous and upbeat atmosphere for our users. We strictly prohibit harassment, hate speech, and discrimination in any form. Additionally, we recognize the value of digital wellbeing and exhort users to use our platform sensibly.   
  
Finally, we pledge to maintain and operate our platform in a way that respects and supports societal norms, legal requirements, and ethical standards. This dedication, in our opinion, is essential to both our success and the confidence that our users have in us.

**7. Overview of system**

**Home Page:**

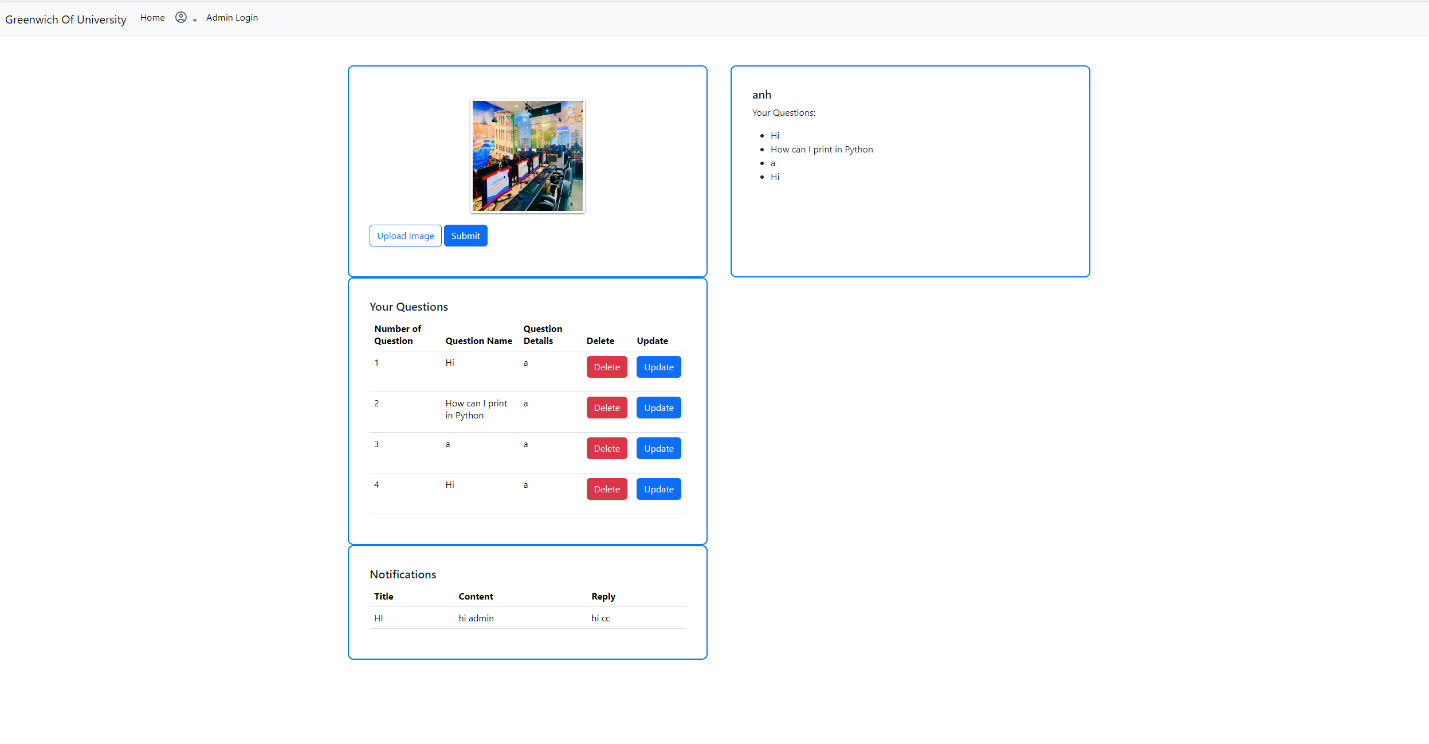
I’ve developed this page with navigation bar using Boostrap include Logo, Drop down, Admin Login. The main body which is will show the all the question, the button to Ask Question and filter that show the question with the the module

**Login:**

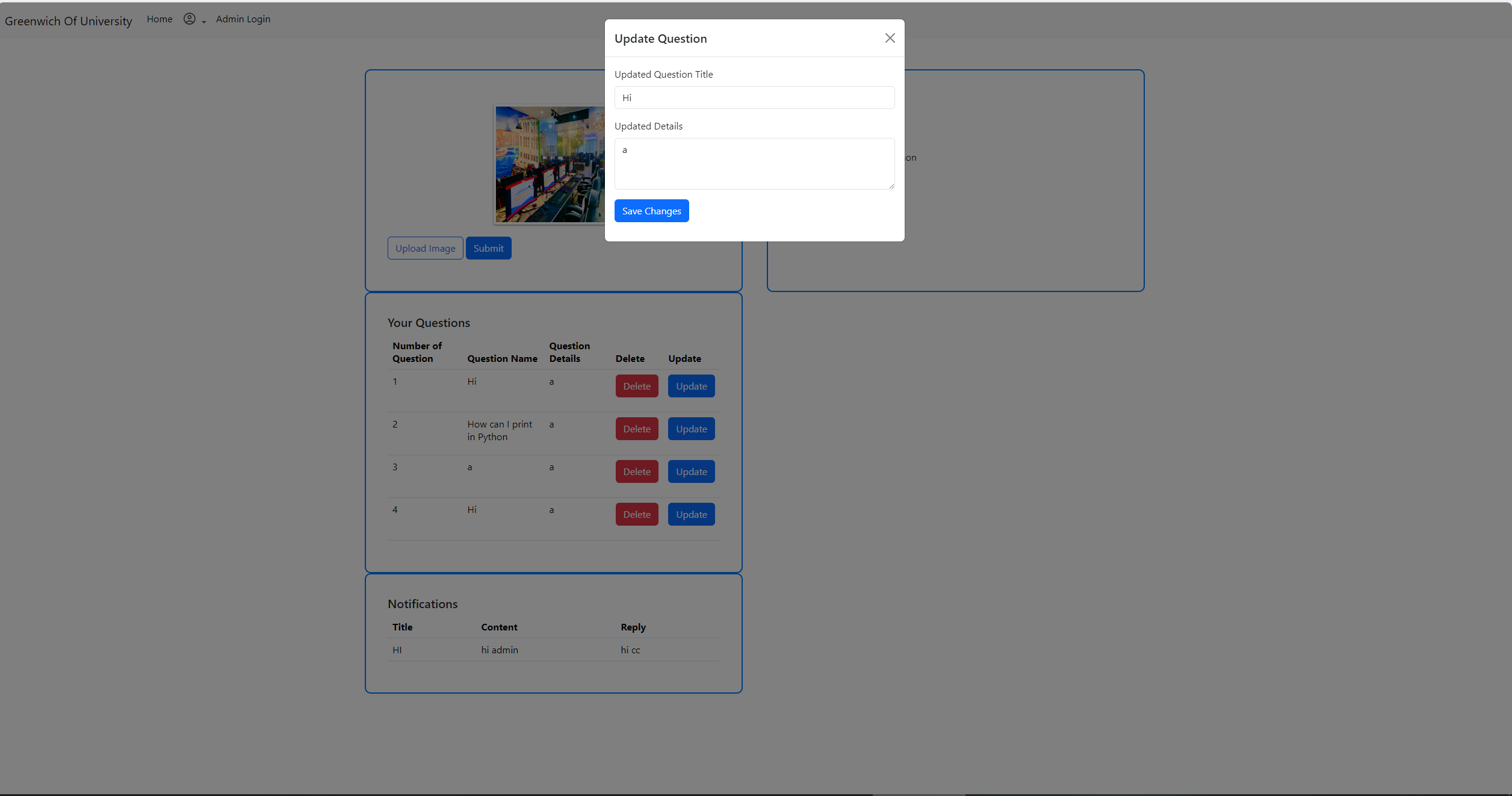
This page allow user can login the page to access all the features of the website if user does not exist in database it will turn into error

**Profile Page**

This page provide user can see their profile also update their avatar, they can tracking their question and message to admin. Beside, they can delete or update their question but can not edit the message to admin. If user click update it will display a table that user can update



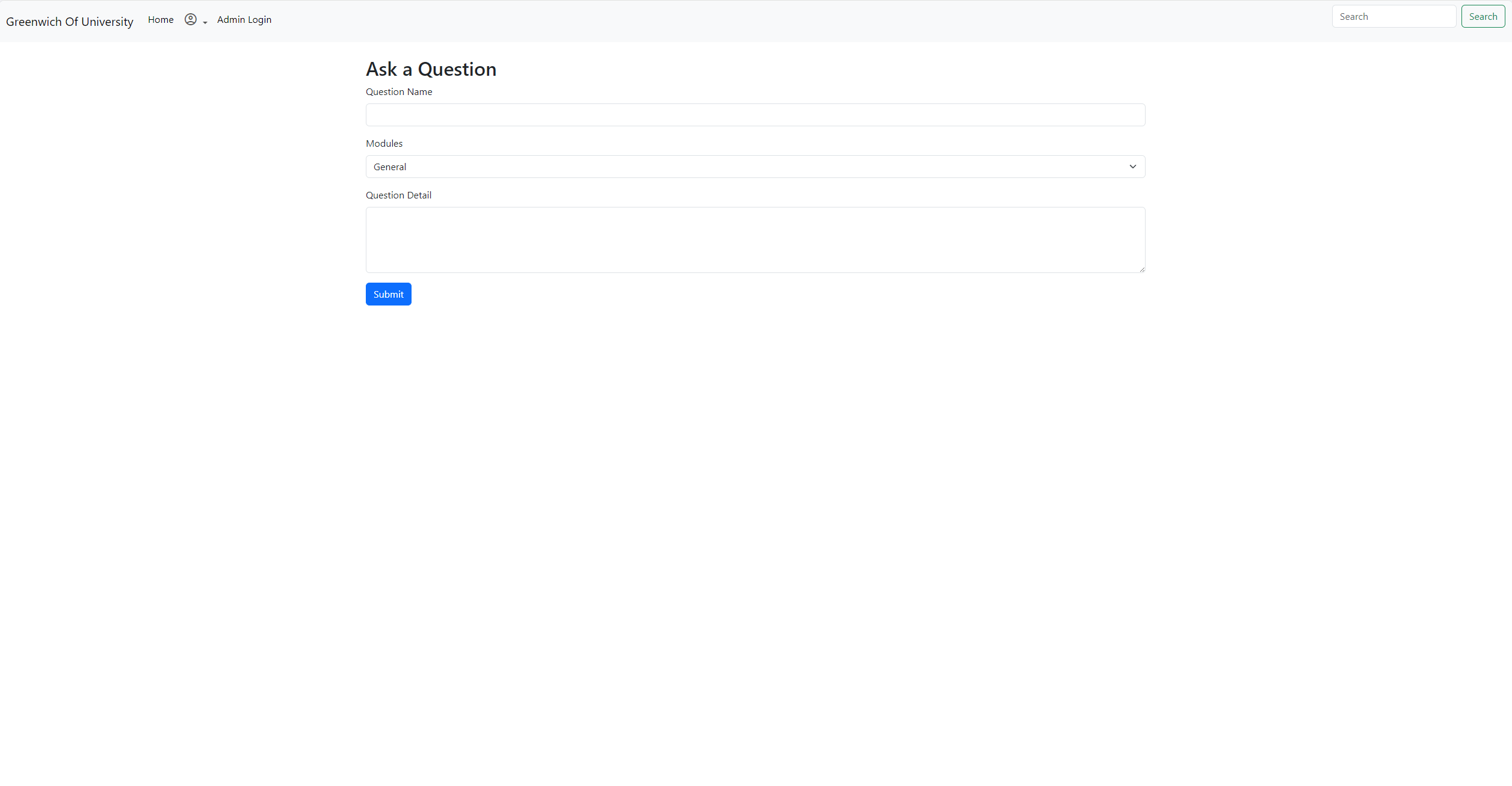
**Profile Page.1**



**Profile Page.2**

**Ask Question:**

This page allow user create their new questions with the modules will be arrage it have to chosen by user.



**Send Message To Admin:**

This page allow user send message to admin.

