Functional Document

Version 1.0 ● December 20, 2023

Business requirements are the critical activities of an enterprise that must be performed to meet the organizational objective(s) while remaining solution independent.

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Document History

Paper copies are valid only on the day they are printed. Contact the author if you are in any doubt about the accuracy of this document.

Revision History

Revision Number	Revision Date	Summary of Changes	Chapter	Author
1.1	12/20/2023	Created based on the Business requirement document	All	Purva Patel

Reference Documents

Please see the following documents for more information:

Document Name	Version	Author
Business Requirement Document	1.0	Purva Patel

Distribution List

This document has been distributed to:

Name	Position	Company

1 Purpose

The purpose of the functional document is to provide functional flow for the mobile application and for the web based application for phase I.

The audience for this document is the project management and more specifically the development team implementing the software.

2 Scope

This initiative will focus on two application functionalities. Web application and Mobile App.

3 Glossary of Terms

4 Operating Environment

Web application operating environment:

- Web application is designed to run on open source platform PHP.
- Framework : Cakephp 3.3
- Database: Mysql 5.6

Mobile application operating environment:

- Mobile application is designed to run on iPhone and Android device.
- Framework : Cake PHP
- Database: Mysql

5 Functional and Technical Requirement For Web Application

5.1 Login

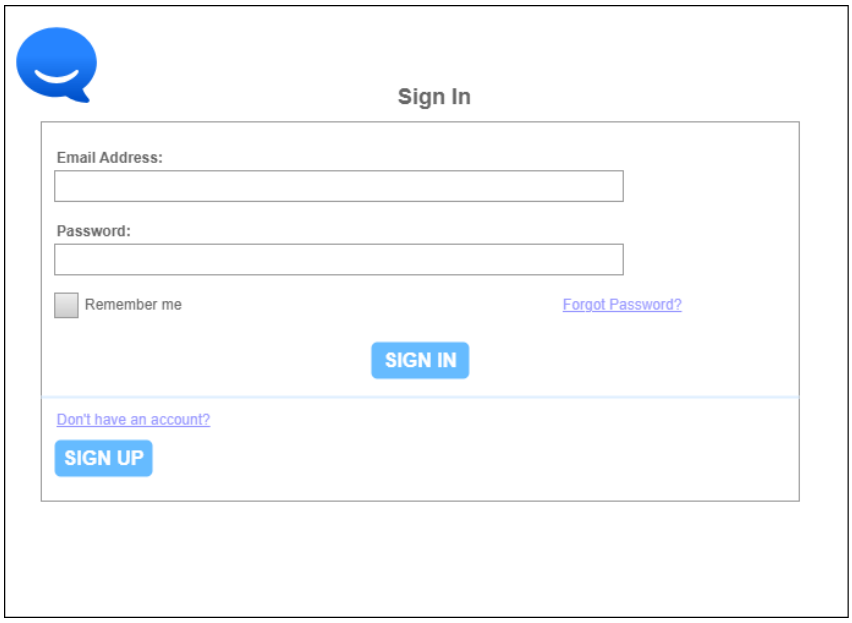
Functional Requirement

Registered users (students) can access applications by entering their registered email address and correct password.

Technical Requirement

- Users can login using their registered email address and password.
- Login page consists of two basic fields, email address and password. When the user clicks the "Sign In" button, the system will check if the email address and the password is valid in the database, then it will redirect the user to the home page and if the credentials are not valid, then it will give an error message "Invalid login. Please try again."
- If the user is not found in the database , then it will give an error message that "User not found".
- This screen also contains the action of "Forgot Password". By clicking on it should redirect the user to the "Password Reset" page.

Mockflow



5.2 Register

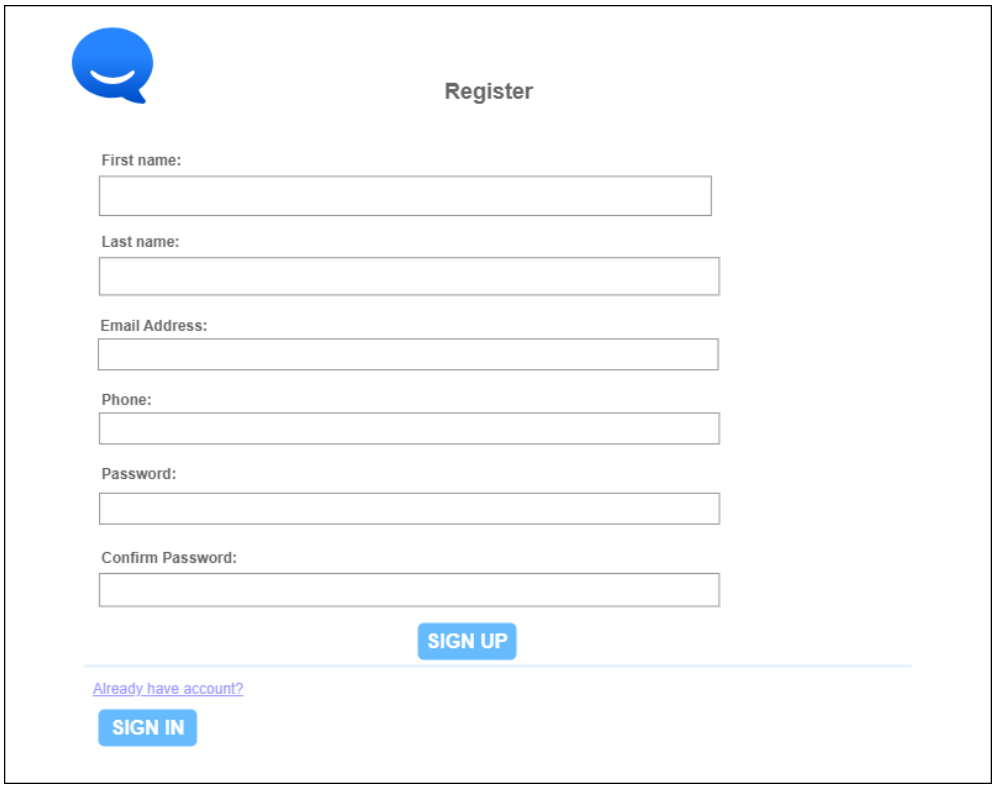
Functional Requirement

Students who want to learn French and purchase a membership package have to create an account by entering their first and last names, email address, phone, and password.

Technical Requirement

- Users can create an account by entering their first name, last name, email address, phone, password, and rewriting their password.

- User fills out the details and when the user clicks the “Sign Up” button, the database registers the new user.
- Once the user clicks the “Sign Up” button, they are redirected to the membership option page where they have to purchase a membership package in order to proceed to the lessons.
- There is also an “Already have account?” option where the user is redirected to the login page when they click the “Sign In” button.



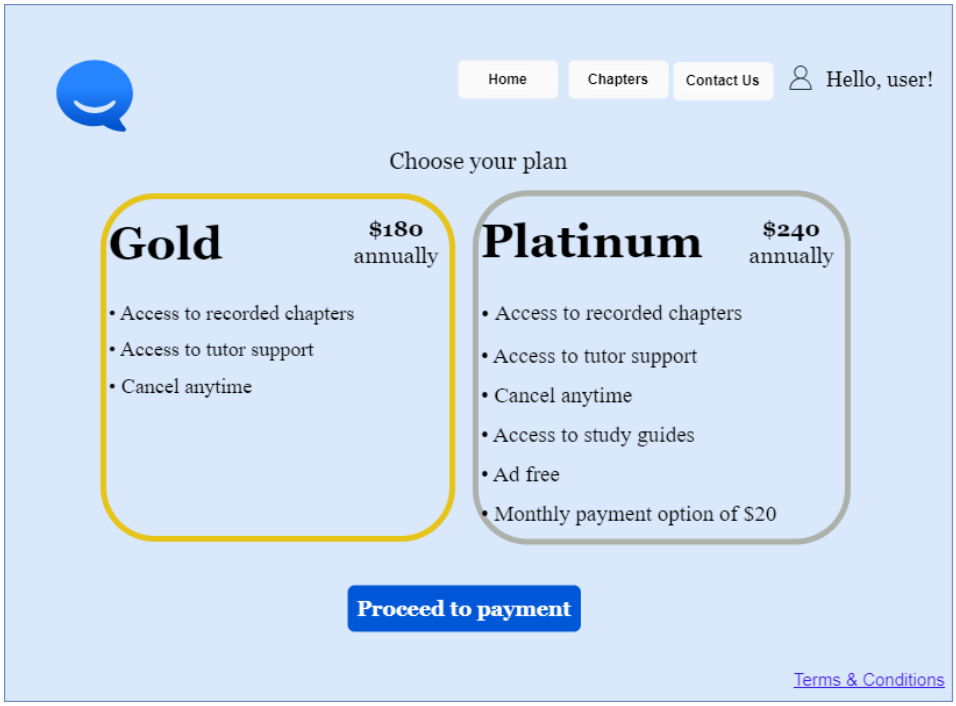
5.3 Membership

Functional Requirement

Students are required to choose one of the two membership options to access the lessons and quizzes.

Technical Requirement

- User chooses one of the two packages, either gold or platinum after logging in for the first time.
- The gold and platinum packages are described and their prices are mentioned.
- When the user clicks on the “Proceed to payment”, they are redirected to the payment page.



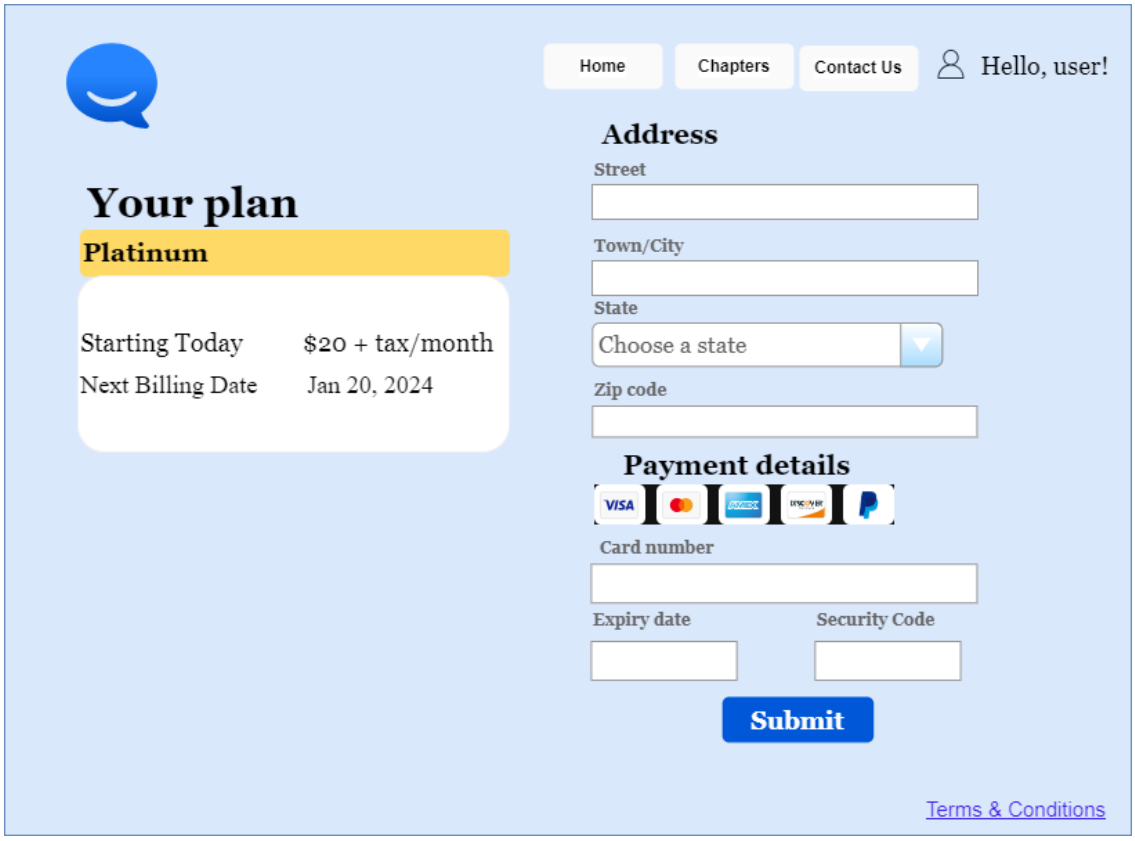
5.4 Payment

Functional Requirement

Users can enter their payment information to purchase a membership plan in order to access the lessons.

Technical Requirement

- Users can enter their payment information to purchase a plan
- Users fill out their address, including street name, town/city name, state, and zipcode.
- Users also enter their card number, expiry date, and the security code.
- The following merchants are acceptable for the payment methods - Visa, Mastercard, American Express, Discover, and PayPal.
- The user can also see the details of their chosen plan on the left side of their screen where the plan name, monthly price, and the next billing date is mentioned.
- When the user clicks the “Submit” button, they are redirected to the homepage where they have the options to view the lessons by chapters and go to their account settings.



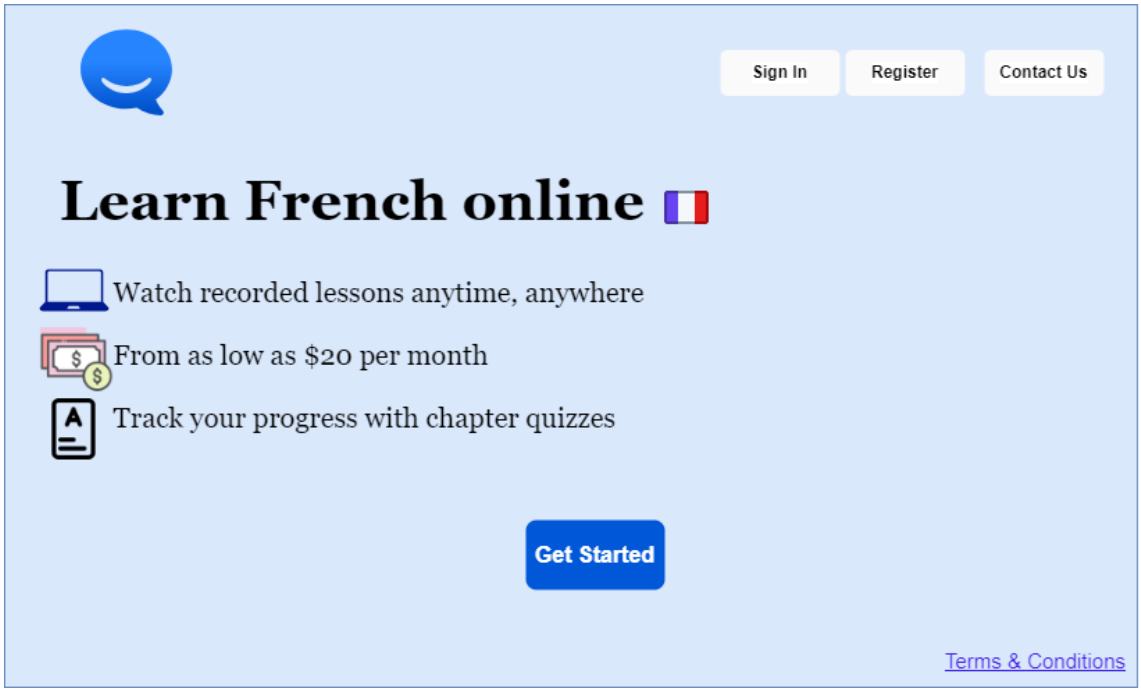
5.5 Home page

Functional Requirement

This page is visible to the public when they have not created an account and purchased a membership plan.

Technical Requirement

- This page is visible to the public when they have not created an account or have not logged in.
- The user has options to sign in, create an account, visit the “Contact Us” page, or visit the “Terms & Conditions” page.
- When the user clicks the “Get Started” button, they are redirected to the account registration page.



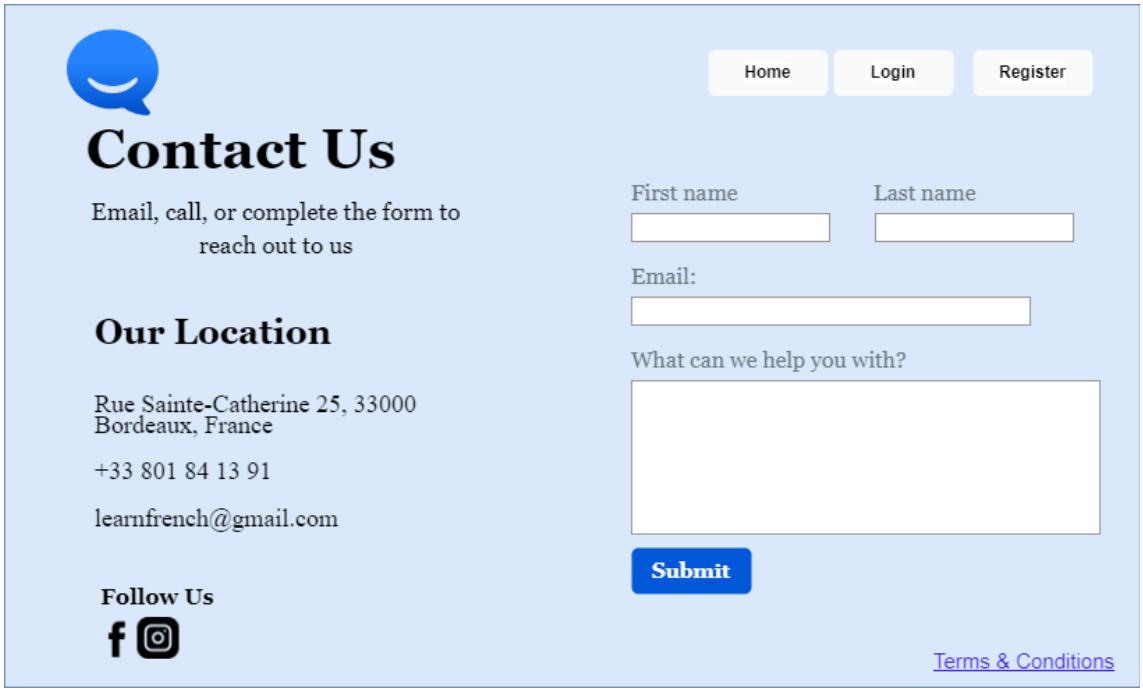
5.6 Contact Us

Functional Requirement

Public users or students can contact the company to inquire for more information or with questions.

Technical Requirement

- This page is available to all users where they can contact the company with any inquiries.
- The user has to fill out their first name,last name, email address, and their question.
- When the user clicks the “Submit” button, the completed form is sent to the company.
- The user can also visit the home page, login, or register from the contact us page.
- The company address, email address, and the phone number is also provided.
- Users can also follow the company on Facebook and Instagram to connect.



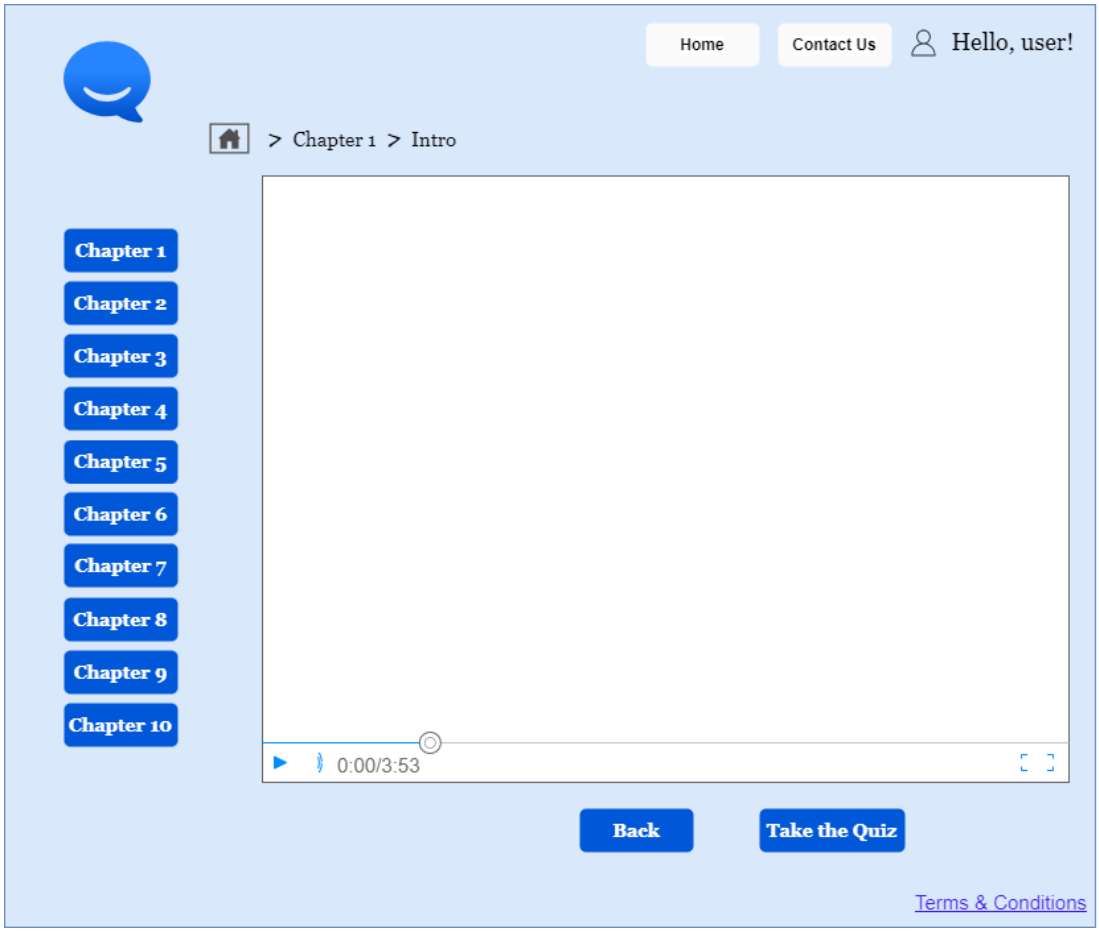
5.7 Chapter videos

Functional Requirement

The users (students) can access the recorded lessons for each chapter and view the videos. The quiz for each chapter needs to be completed to access the next chapter.

Technical Requirement

- The user can view the recorded chapter lessons
- The user has to complete the quiz to proceed to the next chapter
- The user can take the quiz after viewing the chapter video by clicking the “Take the quiz” button
- The user can go back to the previous page and/or chapter by clicking the “Back” button
- The user can also go to home page, contact us page, and the account settings page from the chapter videos page
- The user can click through the various chapter links, if the user has passed with chapter quiz the chapter video will be accessible, if the user has not taken the quiz or passed the quiz, the chapter video will not be accessible.



5.8 Quiz

Functional Requirement

The users (students) can take the chapter quiz by filling out the answers to the questions

Technical Requirement

- The users take the chapter quiz by answering the questions
- The users must score at least 80% for the quiz to proceed to the next chapter
- If the user has answered all of the questions and they click the “Submit” button, they are redirected to the results page
- If the user has not answered all of the questions and they click the “Submit” button, there will be an error where the unanswered questions will be marked.
- The user has access to go to the home page, chapter page, contact us page, and account settings page from the quiz page

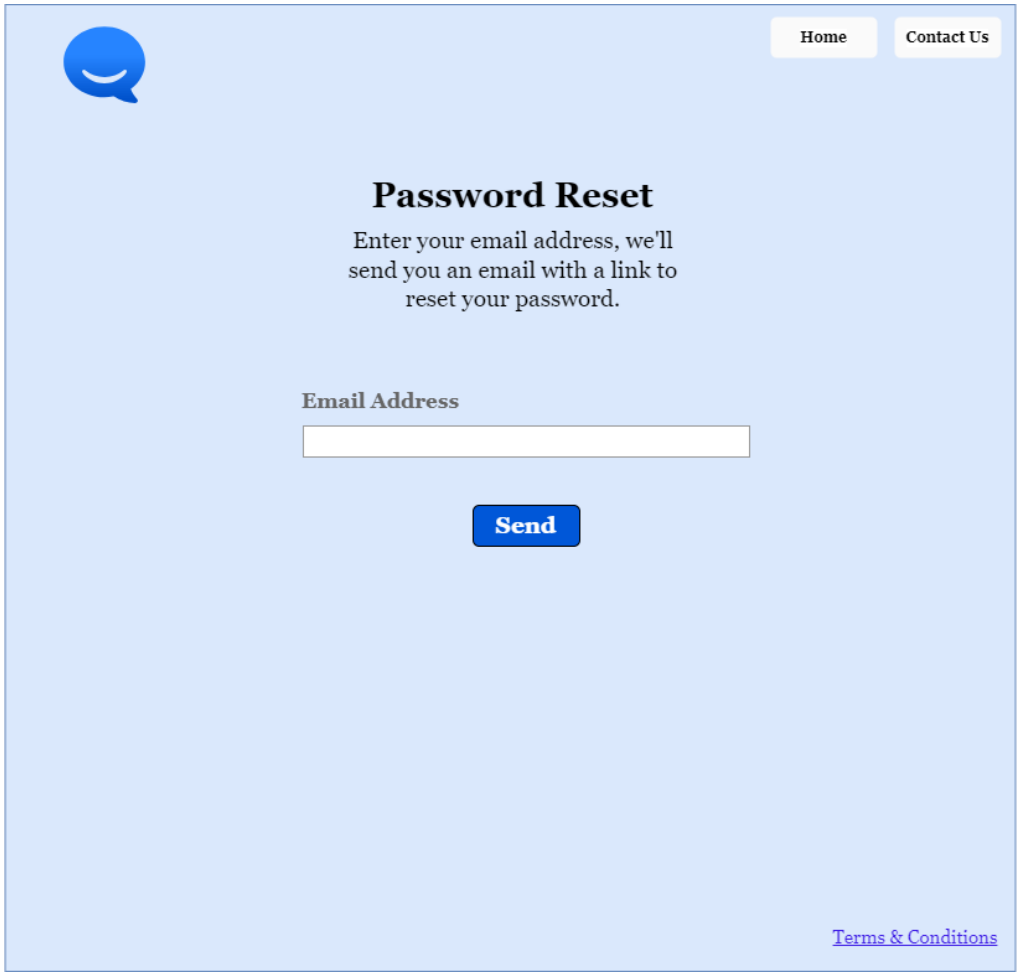
5.9 Password Reset

Functional Requirement

The user can reset their password to log back into their account if they have forgotten it.

Technical Requirement

- The user can reset their password if they have forgotten it
- When the user clicks the “Forgot password?” link on the login page, they are redirected to this page
- The user enters their email address and clicks the “Send” button
- When the user clicks the “Send” button, a reset password link is sent to their email address if the account exists in the database.
- The user has the option to go to the home page and the contact us page.



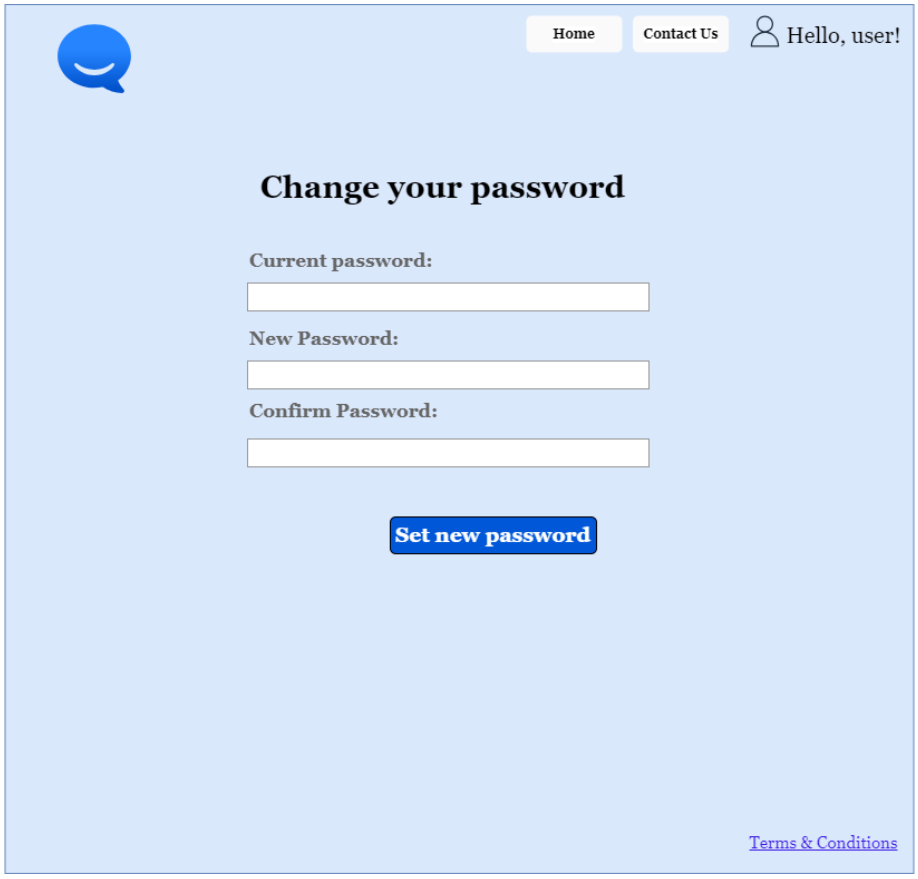
5.10 Change password

Functional Requirement

The user can change their password by entering their current password and the new password

Technical Requirement

- The users (students) can change their password from their account settings
- The user enters their current password, new password, and confirm password fields
- When the user clicks the “Set new password” button, their new password is updated in the database.
- The user has options to go to the home page, contact us page, and the account settings page



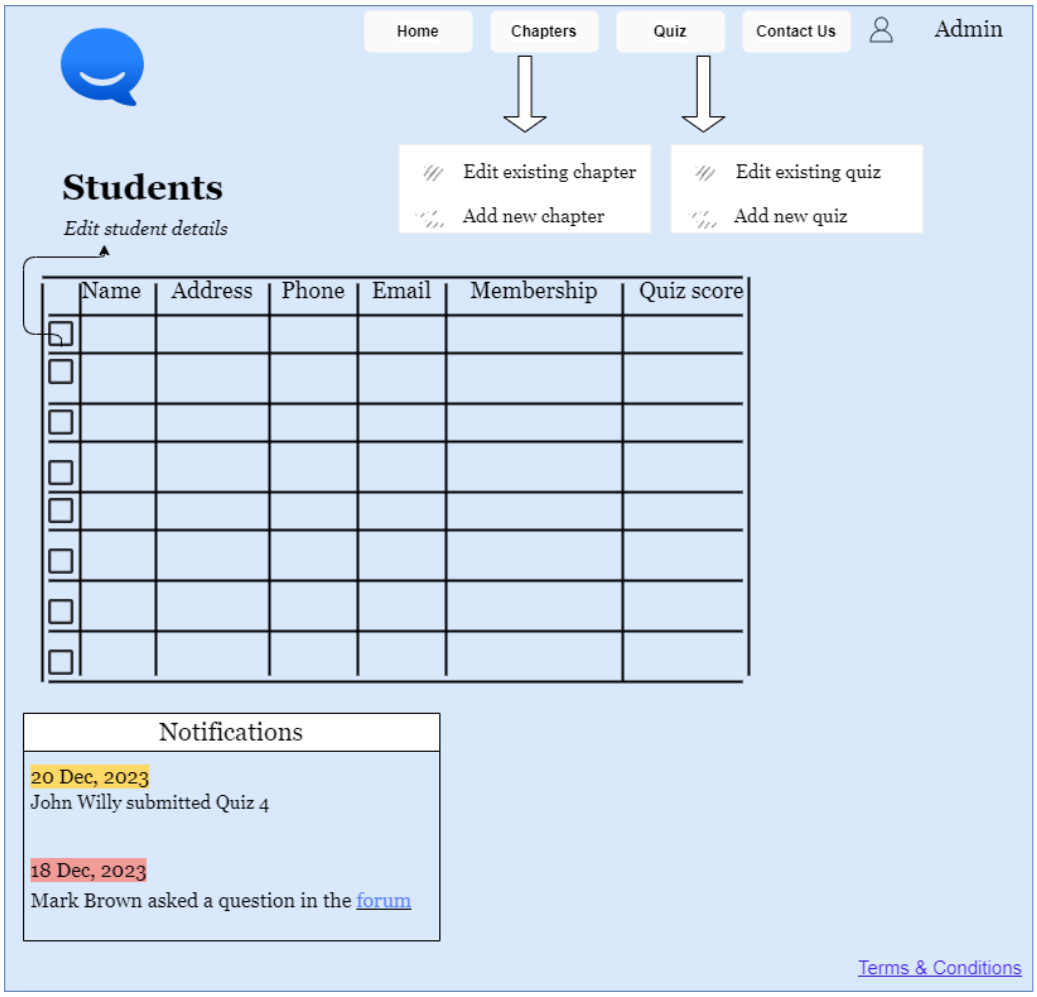
5.11 Admin view

Functional Requirement

The admin can view and/or change the student details, edit existing chapters and quizzes, or add new chapters and quizzes

Technical Requirement

- The admin can view the student details such as the name, address, phone, email, membership information, and their quiz scores
- The admin can edit student details by clicking on the check box next to each student's name
- The admin can edit existing chapters or add new chapter by hovering over the chapters tab
- The admin can edit existing quizzes or add new quiz by hovering over the quiz tab
- The admin also has the option to go to home page, contact page, and admin settings page
- The admin can also view the notifications and messages from the students



5.12 Student account settings

Functional Requirement

The users (student) can edit their information, change password, post question, and access their inbox

Technical Requirement

- The user can view their account information
- When the user clicks the “Edit account details” button, they are redirected to a form where they can edit their email, address, phone, membership information
- The user can also change their password by clicking on the link where they will be redirected to the “Change password” page
- The user can also ask a question to the admin which will be posted to a public forum which will also be viewable by the other students
- When the user clicks the “Post” button, their question is posted to the public forum page
- The user can also see their inbox messages for quizzes and account alerts
- A monthly calendar is also present for the users to add important deadlines for themselves

Home | Chapters | Contact Us | Hello, user!

About me

Name:

Email:

Address:

Phone:

Membership:

Change password

Edit account details

Ask a question

Enter your question

Details about your question

Post

Inbox
Quiz 4 is due in 1 day
Monthly payment due
Quiz 3 grade released

< December 2023 >

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Terms & Conditions