

1. INTRODUCTION

The invention of internet has made the things easier .Almost every activity is done over internet.Without internet, none of the work can be performed. In the field of communication ,internet has provided various tools like Facebook,Whatsapp,Skype etc which make easier communication.We have modified the way of communication .In this project we are using voice to text converting feature, for chatting or messaging when user will speak anything then it will be converted into text automatically .There are various circumstances when the users cannot type and text then in that particular situation this system would be very helpful

1.1 Overview

2.Existing System

There are different kind of email systems which provide various facilities. But these are helpful for a limited range of users. A group of blind people are not able to use these features. These systems are only able to convert voice to text format, text to voice is not available. In order to improve this problem, we have proposed a system which provides both facility of voice to text and text to voice conversation.

3.Proposed System

The proposed system is fully derived from the innovative idea and is much different from the existing mail systems. The proposed system is alternative of existing system which has more features including voice to text and text to voice conversation. The proposed system focus on reliability and user friendly. This system is helpful for visually impaired people. There is big challenge of security related to authentication. So for authentication the voice of user is the main key for verification .

3.1. Functional Requirements

- The user will first login or signup account.
- The user can send voice messages and convert the voice messages into text.
- The composed text will be sent as a mail to the receiver.

3.2. Non-Functional Requirement

- a) Usability:
This project is very much useful for the busy personalities, which has a great future scope.
- b) Security: Access permissions for the particular system information may only be changed by the system's data administrator.
- c) Performance : If the software is browsed over a 3g connection or connection having speed above 100kbps then the mail will sent within 5 secs.

3.3 Dependencies(Pseudo requirement)

- The proposed system should be designed, developed and implement based on the SRS document
- All necessary hardware and software be available for implementing the Voice Based Email system.

A.Hardware Requirements

Processor : Dual Core or above

Ram : 1GB (or) Higher

Hard disk : 20GB

Software Requirements Technology : PHP

Web Server : APACHE

Client Side Technologies: HTML, CSS, JavaScript

Server Side Technologies: PHP

Data Base Server : MySQL

Operating System : Microsoft Windows, Linux or Mac any version

B. Software Requirements.

We use PHP as Programming language for writing the code for the project. HTML, CSS and JavaScript for creating the web pages MySQL server is used for creating the local and global database (server). Eclipse IDE for writing the programs. Operating System will be Windows 10.

4.0. Main/System Modules:-

4.1. Security and Accounts

- Registration
- Login
- Logout

4.2. Classroom module

- Post a new class (upload a video or text)
- View class (video or text)

4.3. Doubts and their answers

- Post a doubt
- View and answer doubts

4.4. COMMUNICATION INTERFACE

The communication function required by this product is WEB connection Languages which are used:

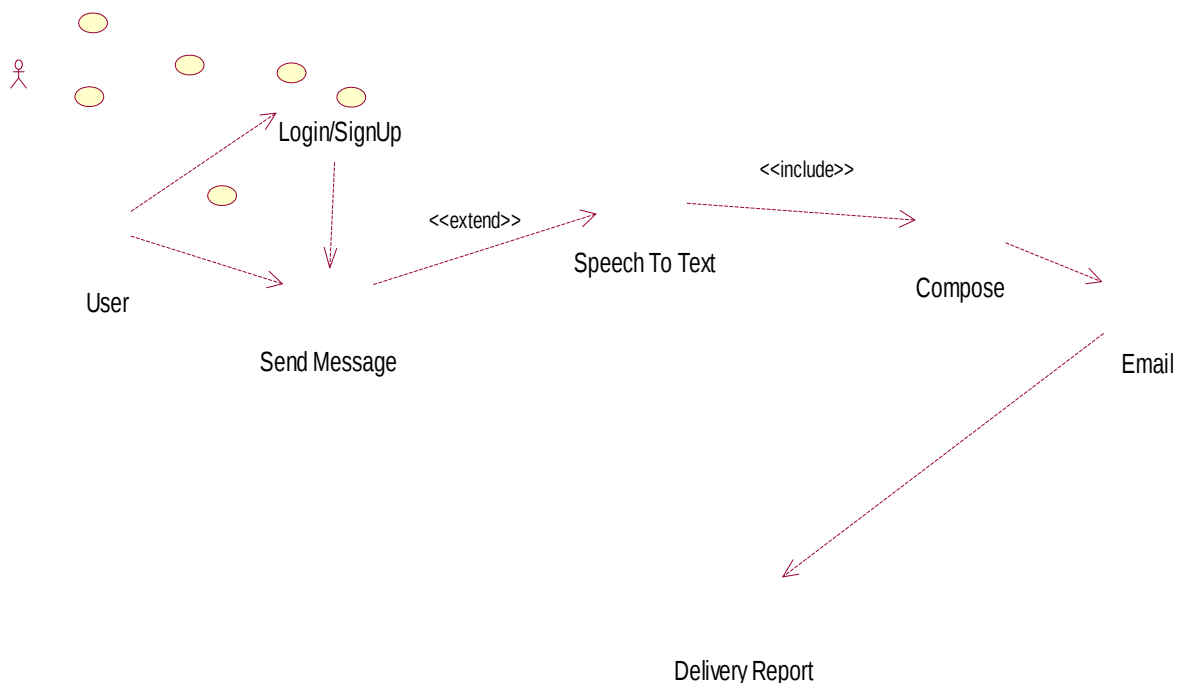
- HTML:

Html is a language which is used to create web pages with html marking up a pages to indicate it's format,telling the web browser where you want a new line to begin or how you want text or images aligned and more possible.

- **JAVA SCRIPT:**
Java Script originally supported by Netscape navigator is the most popular web -scripting language today.It runs using web browser.
- **MySql:**
The php will be used for database related tasks like opening and closing connection, executing SQL commands, and retrieving the result.
- **PHP:**
It enables you to mix regular, static HTML with dynamically generated content.you simply write the regular HTML in normal manner,using familiar web page building tools.
- **APACHE:**
It is an open source web server developed by SoftwareFoundation . It is servlet container, implementation for the PHP.

5.0.UML Diagrams

5.1. Use case diagram



5.2.Class diagram

2. INTRODUCTION

The invention of internet has made the things easier .Almost every activity is done over internet.Without internet, none of the work can be performed. In the field of communication ,internet has provided various tools like Facebook,Whatsapp,Skype etc which make easier communication.We have modified the way of communication .In this project we are using voice to text converting feature, for chatting or messaging when user will speak anything then it will be converted into text automatically .There are various circumstances when the users cannot type and text then in that particular situation this system would be very helpful

1.1 Overview

2.Existing System

There are different kind of email systems which provide various facilities. But these are helpful for a limited range of users. A group of blind people are not able to use these features. These systems are only able to convert voice to text format, text to voice is not available. In order to improve this problem, we have proposed a system which provides both facility of voice to text and text to voice conversation.

3.Proposed System

The proposed system is fully derived from the innovative idea and is much different from the existing mail systems. The proposed system is alternative of existing system which has more features including voice to text and text to voice conversation. The proposed system focus on reliability and user friendly. This system is helpful for visually impaired people. There is big challenge of security related to authentication. So for authentication the voice of user is the main key for verification .

3.1. Functional Requirements

- The user will first login or signup account.
- The user can send voice messages and convert the voice messages into text.
- The composed text will be sent as a mail to the receiver.

3.2. Non-Functional Requirement

d) Usability:

This project is very much useful for the busy personalities, which has a great future scope.

- e) Security: Access permissions for the particular system information may only be changed by the system's data administrator.
- f) Performance : If the software is browsed over a 3g connection or connection having speed above 100kbps then the mail will sent within 5 secs.

3.3 Dependencies(Pseudo requirement)

- The proposed system should be designed, developed and implement based on the SRS document
- All necessary hardware and software be available for implementing the Voice Based Email system.

A.Hardware Requirements

Processor : Dual Core or above

Ram : 1GB (or) Higher

Hard disk : 20GB

Software Requirements Technology : PHP

Web Server : APACHE

Client Side Technologies: HTML, CSS, JavaScript

Server Side Technologies: PHP

Data Base Server : MySQL

Operating System : Microsoft Windows, Linux or Mac any version

B. Software Requirements.

We use PHP as Programming language for writing the code for the project. HTML, CSS and JavaScript for creating the web pages MySQL server is used for creating the local and global database (server). Eclipse IDE for writing the programs. Operating System will be Windows 10.

4.0. Main/System Modules:-

4.1. Security and Accounts

- Registration
- Login
- Logout

4.2. Classroom module

- Post a new class (upload a video or text)
- View class (video or text)

4.3. Doubts and their answers

- Post a doubt
- View and answer doubts

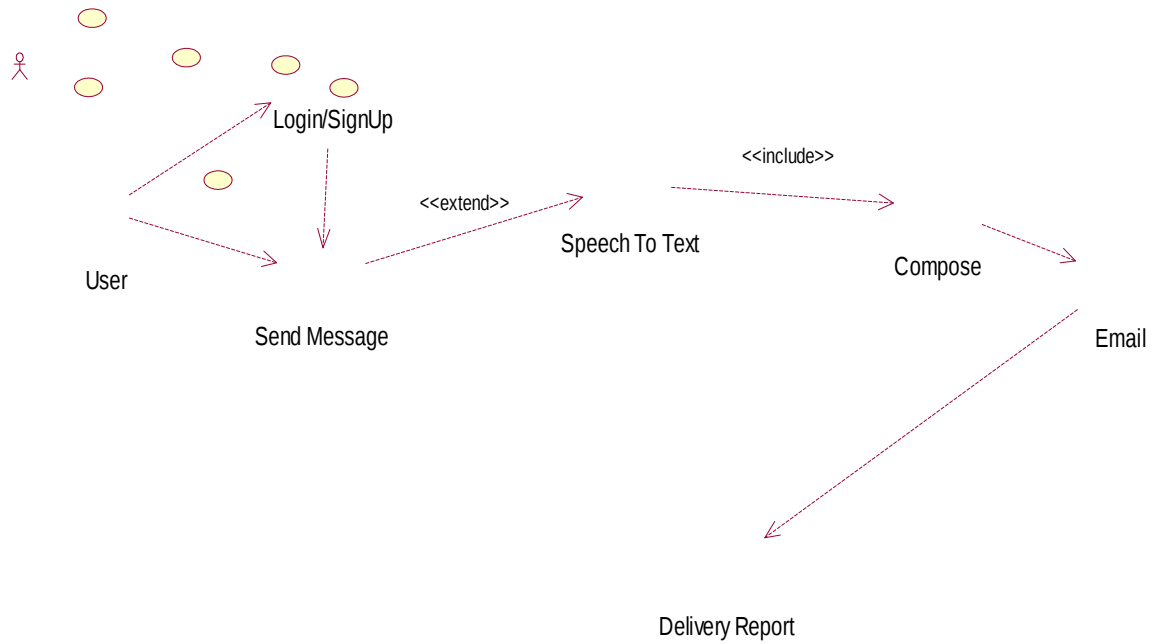
4.4.COMMUNICATION INTERFACE

The communication function required by this product is WEB connectionLanguages which are used:

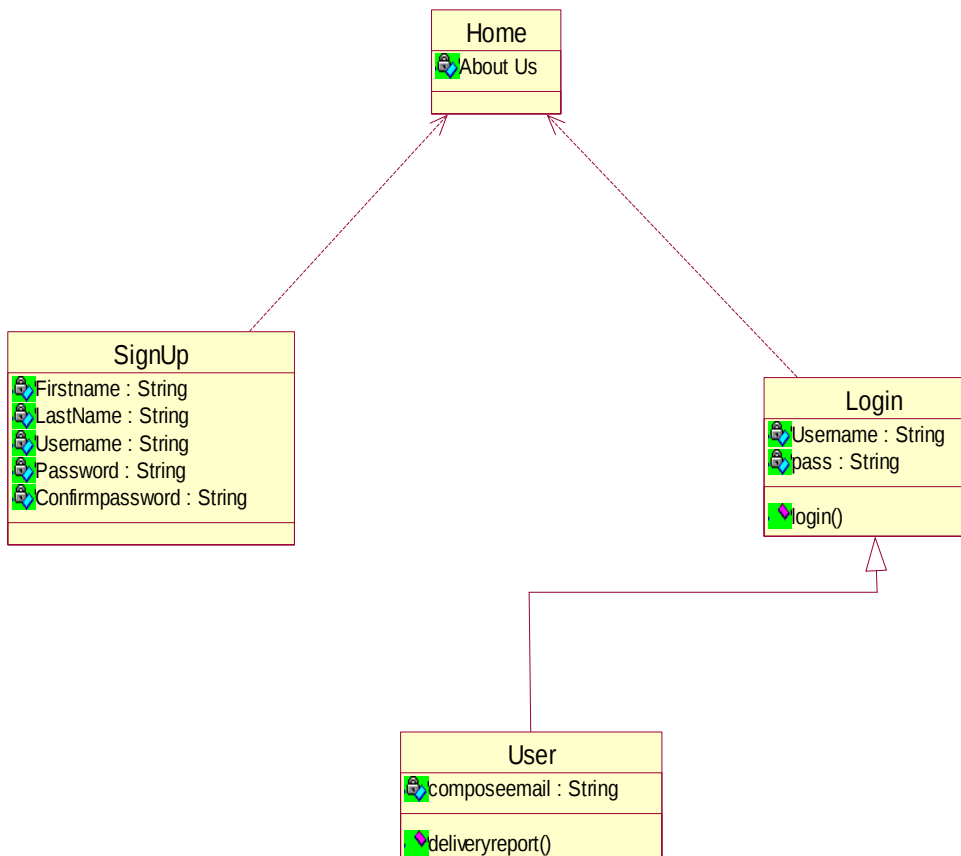
- **HTML:**
Html is a language which is used to create web pages with html marking up a pages to indicate it's format,telling the web browser where you want a new line to begin or how you want text or images aligned and more possible.
- **JAVA SCRIPT:**
Java Script originally supported by Netscape navigator is the most popular web -scripting language today.It runs using web browser.
- **MySql:**
The php will be used for database related tasks like opening and closing connection, executing SQL commands, and retrieving the result.
- **PHP:**
It enables you to mix regular, static HTML with dynamically generated content.you simply write the regular HTML in normal manner,using familiar web page building tools.
- **APACHE:**
It is an open source web server developed by SoftwareFoundation . It is servlet container, implementation for the PHP.

5.0.UML Diagrams

5.1. Use case diagram



5.2. Class diagram



5.3. Activity Diagram

