Project Preliminary Paper Prototype Design

CSE 5320 - Special Topics Software Engineering

Team 1 (Ron's App)

Team Members:

Nikhil Yadav (1001949220)
Shashwat Shekhar (1001955798)
Srikar Uddadi (1001962906)
Sai Krishna Prateek Nama (1001880903)
Ajay Vegunta (1001967635)

Professor: Dr. Elizabeth D. Diaz
GTA: Hemang Garapati

App Name: Ron's App

App Description: It is a fast simple FREE mobile design application that helps users to improve their pronunciation and improve their English-speaking skills. It mainly focuses on the English sounds and the symbols used in the language. It provides interactive exercise to help learn and practice these sounds. It will track the completion of the activity and with different level of difficulties which will help to face more challenges and master the English sounds.

Slogan: Your Voice, Perfected.

Application Type: Applications

Category: Education

Key Features:

I. **What problem/task(s) does the application help someone solve?**

⇒ With this app, users will learn how to connect letters with sounds and improve their pronunciation of words. Also it will help users access additional resources such as guides and videos which they can see and develop their reading and writing skills. It will also help the user communicate effectlively   in   foreign language and boost their confidence.

II. **If not immediately obvious, how does this app meet the course guidelines of helping people?**

⇒ People can learn key phonics skills by using these Phonics apps, such as recognizing each letter's sound, mastering the alphabet, and building words. Practicing daily and doing each section of this app will improve their pronunciation of words and sounds.

⇒ Changes like this don't happen overnight. By practicing continuously in the exercise section of this app, people can master the alphabet and build words.

III. **What apps on the Market (or other app stores) would be your closest competitor?**

⇒ Apps like "Lalilo" and "Starfall Learn to Read" will be our closest competitors. These both apps could be great competitors because this app contains some great graphics along with good user experience for users which makes it more interactive.

IV. Why will your app be better than the competitors?

⟹ We will make our app better than the competition by focusing on the sounds of the basic letters. Other apps contain graphics which will make the user distracted and lose track. So, in this app it will be mainly focused on education and how to improve users' pronunciation so they can improve in no time.

V. What is innovative about your app idea? What will be particularly surprising or elegant about the concept?

⟹ Over half of the users will leave the application in the middle of browsing other apps due to being overwhelmed by the contents. We will provide not only the sounds of the alphabet, but also details regarding the placement of the tongue and lips in our app to help people improve their speech.

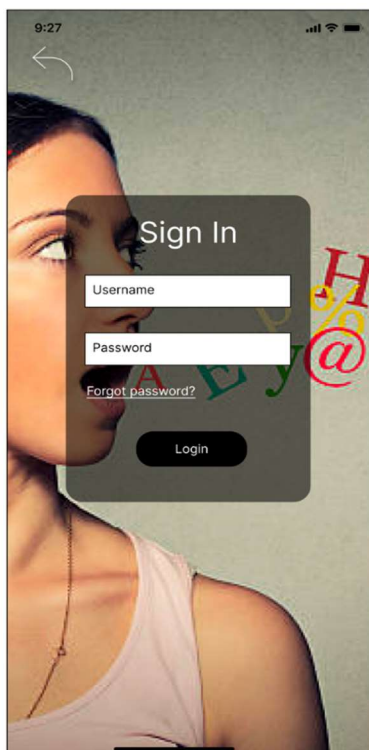**VI. What about your app will keep people engaged using it for a long time?**

⟹ A weekly or monthly quiz will be conducted for our users, and gift hampers will be given to the winner. This will make the user experience better and keep the user engaged with the app.
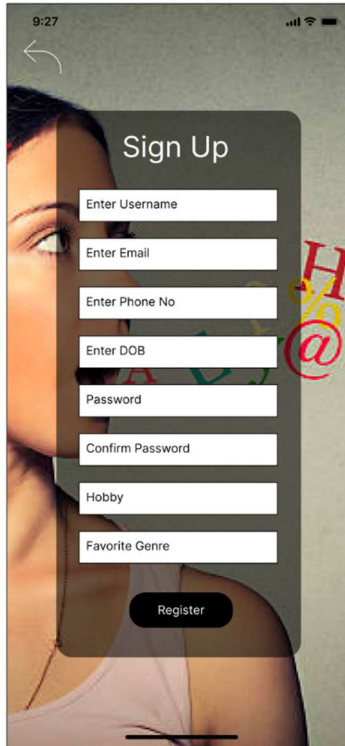
Prototype Design:

⟹ Below is the simple prototype of how our application would look. It includes:

Home Page: This is the first page when the user opens the app and gives an overview of the application. It includes a branding logo, slogan of the app and buttons for accessing different parts of the screen.

Sign In: To sign-in into the app, the user needs to enter the username and password to access the application. There is a login button which is accompanied by Forgot Password. When a user clicks on the Login button, it validates the user credentials and if its correct it grant access to the next screen.

Sign Up: If the user doesn't have an account, they must register in the application. They must create username, enter email, Phone-No, DOB, more than six-digit alphanumeric password, hobbies, and their favorite genre.
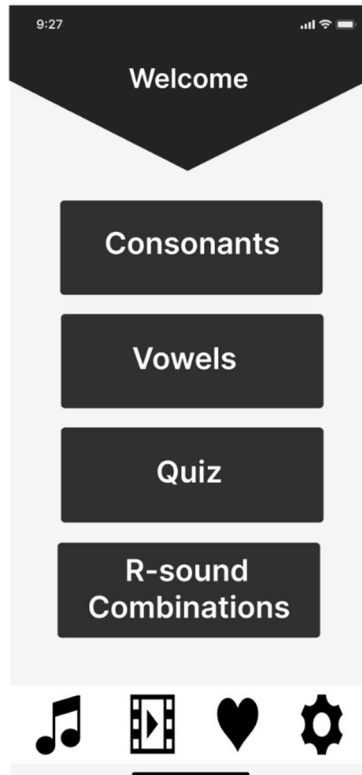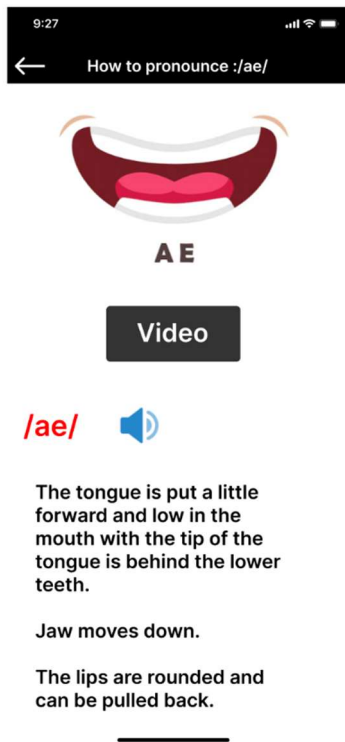

Forgot Password: If a user forgets their password, the forget password link would be send to their email account which they used at the time of registration.
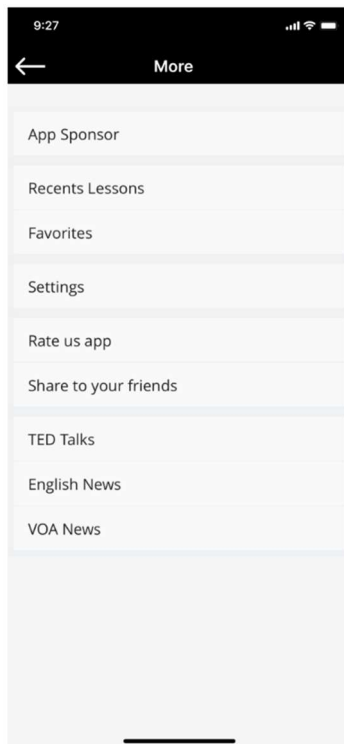
Search: In this screen the user can search all the videos with respect to phonetics and learn. There will be variety of videos to choose from and the user can pick and learn from it.
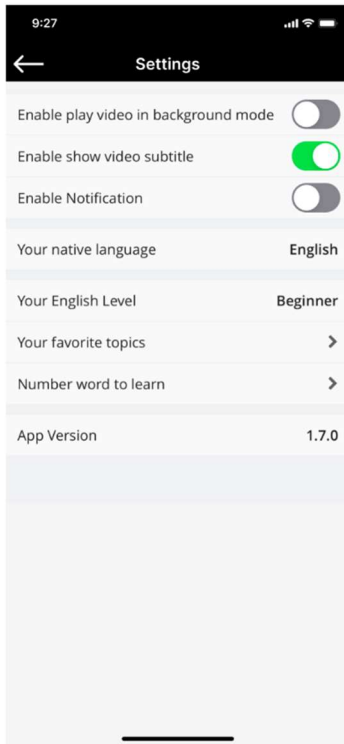
Dashboard: This is the welcome page once the user logs in to the app. Here it shows different navigation tools such as constants, vowels, quiz, and r-sound combinations. It shows the information and allows the user to easily move and navigate to different sections of the application.

Pronounce: In this section user can see the description of the consonants. It shows the description of how to pronounce the consonants where it explain the tongue movement with a video and audio.

More: This screen shows all the additional features that will be visible here. The user can rate the app and share this with their friends.
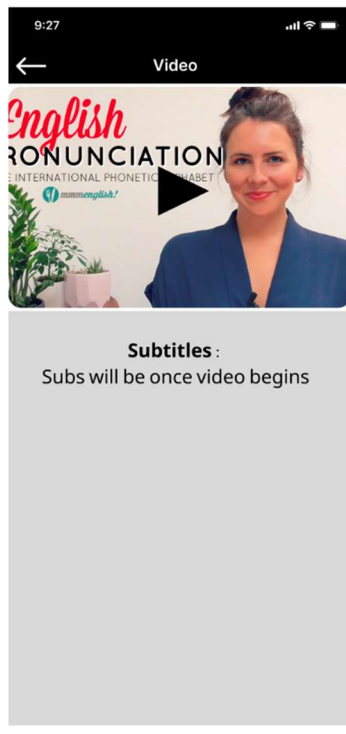
Setting Menu: It shows different features such as notification, language change, app version etc. In this the user can edit their profile. It will also show the app version so they can see which updated version they are using it.

Quizzes: In this there will be many options and different levels such as Practice Quiz, Beginner being the easiest and expert being the hardest. Users can participate in a quiz to test his/her skills.

.

AE	AI	U
EI	OU	f
g	h	ar
er	au	^
ju	i	l

Favorites: User can add their favorite alphabets to a list and save it where they can visit frequently. It's a valuable feature where user can easily access their preferred content and app which contain this feature makes the user engagement more valuable and good.

Subtitles :
Subs will be once video begins

Video: User can play a video to understand the pronunciation of the consonants and vowels better. It shows that video representation makes the app more interactive. Some users find it hard to understand and read the description, so the video could be a better option for such users. The video also comes with subtitles which can be handy for some users.