GitHub Username: tblessed23

Kisa

Description

Now you can become the griot in your family and record your stories. Tell the stories of your ancestors how you want, when you want all in one place. You can upload your family name or ancestor name. You can make your story public or keep in close to your heart and make it private. It's time to tell your story!

Intended User

This is an app for those doing their genealogy. Age range 30-55. The older millennials, gen-xers and baby boomers.
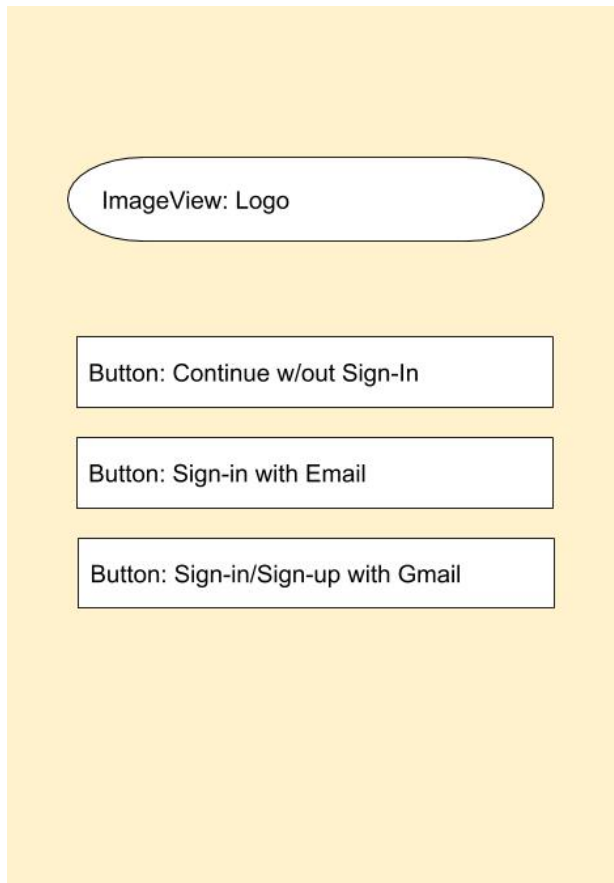
Features

Main features of your app.
- Saves information
- Saves Audio
- Search by State
- Search by County/City
- Share to Facebook

- Records Audio using Media Recorder
- Make Audio Public or Private

User Interface Mocks
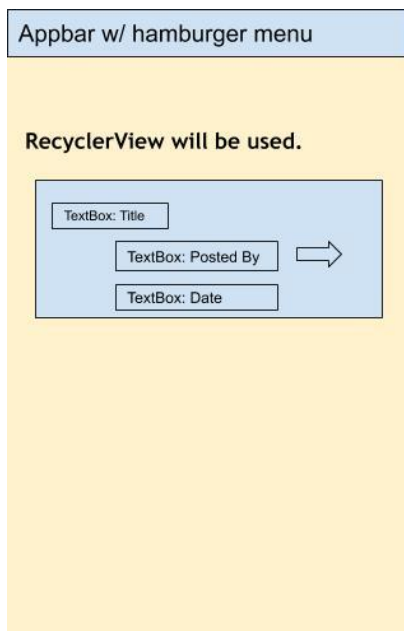
Screen 1: This will be the first screen of the app. This screen acts as a guide to want a user wants to do.

ImageView: Logo

Button: Continue w/out Sign-In

Button: Sign-in with Email

Button: Sign-in/Sign-up with Gmail

Screen 2: Welcome All Users: This screen is the welcome screen for all users. Authenticated users will see a view account button.

Appbar w/ hamburger menu

TextBox: Welcome

TextBox: Welcome Description

Button: Browse All

Button: Search

Screen 3: Browse All: This screen allows a user to browse all public audio files.

Appbar w/ hamburger menu

RecyclerView will be used.

TextBox: Title

TextBox: Posted By

TextBox: Date

Screen 4: Search: This screen allows a user to search public records based on certain criteria.

< Appbar w/ hamburger menu

TextView: Search Welcome

EditText: Ancestor Last Name

EditText: Family Name

EditText: State

EditText: City

EditText: County

Screen 5: Working Audio Detail Screen: This screen displays the details of audio files viewed by all users.

< Appbar w/ hamburger menu

Exoplayer

TextView: Posted By

TextView: Ancestor Name

TextView: Family Name

TextView: City, County, State

TextView: Date Posted

TextView: Email Member

Screen 6: Authenticated User Main Activity: This screen is the first screen a user will see when logged into their account.

```
Appbar w/ hamburger menu

        TextBox

        TextBox

      Button: Record Audio

      Button: View Saved
      Audio Files

      Button: Edit User
      Details
```

Screen 7: User Record Audio: This screen provides the user an opportunity to record their audio file.

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< Appbar w/ hamburger menu

        Media Recorder

   EditText: Posted By (Pre-set)

     EditText: Ancestor Name

     EditText: Family Name

   EditText: City, County, State

     EditText: Date Posted

     EditText: Email Member

   Radio Button:
   Public or          Button: Save
   Private
```

Screen 8: User View Saved Audio: This screen provides the user an opportunity to view their saved audio files and edit them.

Appbar w/ hamburger menu

RecyclerView will be used.

TextView: Swipe to delete.

TextBox: Title

Button: Edit

TextBox:City

TextBox: Ancestor FirstName

TextBox: County

TextBox: Ancestor Last Name

TextBox: State

TextBox: Family

Screen 9: User Edit Audio Details: This screen provides the user an opportunity to view their saved audio files and edit them.

< Appbar w/ hamburger menu

EditText: Title

EditText: Ancestor First Name

EditText: Ancestor Last Name

EditText: Family Name

EditText: City

EditText: County

EditText: State

RadioButton: Public or Private

Save

Screen 10: User Edit Account Details: This screen provides the user an opportunity to view and edit their account information.

< Appbar w/ hamburger menu

EditText: First Name

EditText: Last Name

EditText: City

EditText: State

EditText: Country

EditText: Phone

EditText: Email

EditText: Public Email

EditText: Public Username

Save

Screen 11: About Us: This screen tells the story behind Kisa.

Appbar w/ hamburger menu

TextViews

TextViews

Screen 12: Help: This screen gives help information for users.

Appbar w/ hamburger menu

TextViews

TextViews
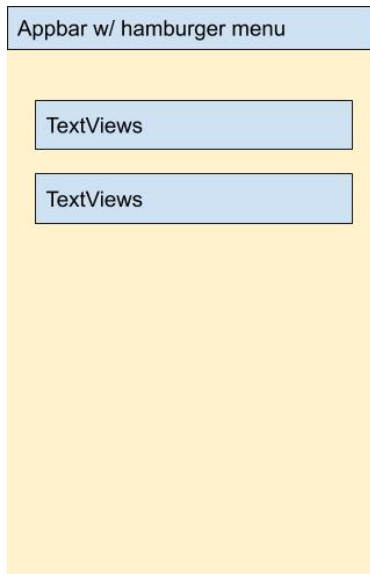
Screen 13: Widget: This widget displays a user three favorite audio samples.

TextView: Title of Favorite 1 ◎

TextView: Title of Favorite 2 ◎

TextView: Title of Favorite 3 ◎

Key Considerations

How will your app handle data persistence?

Firebase User Authentication, Firebase Storage, ROOM Database

Describe any libraries you'll be using and share your reasoning for including them.

Exoplayer for playing audio
Picasso for images
Espresso for Testing
Firebase for User Authentication and Storage.

Describe how you will implement Google Play Services or other external services.

Goolge Play Services will be utilized for ads.

Next Steps: Required Tasks

Task 1: Project Setup

You may want to list the subtasks. For example:
- Configure Firebase User Authentication Library
- Configure Firebase Storage Library
- Configure Espresso Library
- Configure Picasso Library
- Configure Exoplayer Library
- Configure Room Library
- Configure Recyclerview Library

Task 2: Implement UI for Each Activity and Fragment

Build basic user interface and layout.

- Build UI for MainActivity
- Build UI for WelcomeActivity
- Build UI for UserActivity
- Build UI for WorkingAudioActivityy & Fragment
- Build UI for WorkingAudioDetailActivity & Fragment
- Build UI for UserWelcomeActivity
- Build UI for UserAudioActivity & Fragment
- Build UI for UserAudioDetailFragment & Fragment
- Build UI for UserProfileActivity

- Build UI for AboutUsActivity
- Build UI for HelpActivity
- Build UI for BrowseAllActivity
- Build UI for SearchActivity
- Build UI for UserSavedAudioActivity & Fragment
- Build UI for UserEditAccountDetails & Fragment

Task 3: Your Next Task

Build ROOM Database. Use LiveData and ViewModel when required and no unnecessary calls to the database.

Describe the next task. List the subtasks. For example:
- Create Story Table (Variables: Title, City, County, State, UserId, Ancestor Firstname, Ancestor Last Name, Family Name, DateTime)
- Create Profile Table (Variables:UserId, First Name, Last Name, City, State, Country, Phone, Email)
- Create Privacy Table (UserId, Public, Private)
- Create Favorites Table(UserId, Favorite 1, Favorite 2, Favorite 3)

Task 4: Handle Audio Recording

Set-up Media Recorder and Exoplayer. Retrieve URL from Media Recorder. Store List the subtasks.

Task 5: Set-Up Firebase

Create Firebase User Authentication and Firebase Storage for Audios. For example:
- Create layout
- Something else

Task 6: Implement Search. Use Asynctask.

Task 7: Create Widget: The widget will show the 3 most recent recordings of a user. Use Intent Service as a mediator.

Task 8: Implement Admob

Task 9: Check debugging implementation. Implement degugging if not already implemented. Be sure all app validates all input from servers and users.

Task 10: Set-up proper Material Design. Use an app bar and associated toolbars.

Task 11: Implement Testing

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
  - o Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:
- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"