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Project title: Cleft Lip Aesthetics Tool

Current status

A majority of the app has been completed and the project is running on schedule. Most of the requirements have been fulfilled barring two major parts, described later. The cloud database portion has been fully complete with two tables in a database for images and drawings. The syncing and offline access on the app both work with drawings and scores being uploaded to the cloud database.

A low quality drawing feature has been implemented and a method of determining the symmetry score has been set up. An offline database is used for each user of the app with SQLite which stores downloaded images, drawings and other relevant data. The user can delete things locally from this database.

All the screens for the app have been set up with an emphasis on user accessibility, based on Android's guidelines. Drawings and images on the cloud can be viewed and downloaded. Local copies are viewable and editable.

Remaining work

The drawing feature implemented currently is of low quality. This is the biggest piece of work remaining on the project. It is expected that an advanced lip drawing feature will be developed by the end of February which will be connected with the symmetry score feature. Possible improvements to the symmetry score calculation may be made as an additional feature if time permits, allowing multiple drawings in a calculation.

Another major task is to make the app work on multiple platforms. Currently the app has been developed only for Android. This is due to unexpected additional coding requirements for allowing plugins to work on multiple platforms in Cordova. This is of a lower priority compared to the drawing features which means this task will likely be carried out in early March, assuming the drawing features have been completed.

The app needs to be tested on Android and iOS to check if all the features can work smoothly and to check for missed bugs. Multiple users should also use the app to understand its ease of access and usability. This is planned to be carried out after the features above have been implemented, or mid-March.

A user manual and documentation need to be produced to make usage of the app and future development easier which shall be produced in early April once development has completed.