Family Tree - Android App Overview

Purpose:

The purpose of the application will be to create a family tree for the user, whether it be for themselves or a friend. The primary use of the app is to have a record of your family [tree] from generations before and to come. It can also contain information about each member, such as biographies, accomplishments, etc. Moreover, it will help identify the relationships between more distant or obscure family members and their proper titles. For example, if they're your second cousin or great-aunt. Furthermore, it will make sharing information and history about your family easier. Hopefully, it is stored in the cloud, so it's always backed up and allow for synchronous changes of a family tree from multiple family members/devices. It allows you to see the new additions or unfortunate losses in your family as they occur.

Concepts:

- File I/O, read/write; for saving trees, saving images, or importing them
- DB access; saving trees or retrieving from the cloud
- API cloud logins; for creating accounts
- Cloud storage/getting a cloud server; to store trees online for access from multiple devices with authorized accounts
- Multiple activities; to switch screens
- Activity overlay; to have a menu that can overlay on top of the current screen/activity
- Add translations; to manipulate the string.xml to have a separate list for another languages string
- Upload to google play; to allow the app to be downloaded from google play
- Access touch events; to identify dragging an object or pinch, to zoom in or out and perform appropriate response

Github repository