

Milestone 1: Creative Brief

For Project 3, I am developing an iOS version of the application I have already written for Android platform. In this project, I will be developing a student information form connected to the Firebase API and will display/store the following information:

- Student ID
- Student Date of Birth
- Student Consent Date (consent date for being observed)
- Student Ethnicity
- Student Primary Language
- Student Disability

For each of the fields, there will be checks done to ensure that, the input is either properly formatted or proper input has been entered. If any of the above fields are left empty, the data will not be submitted to Firebase storage.

The form will ensure that,

- student ID is an alpha-numeric field.
- Student date of birth follows the format (YYYY/MM/DD)
- Student consent date follows the format (YYYY/MM/DD)
- Student Ethnicity will be spinner.
- Student Disability will also be spinner.
- Student Primary language will also be spinner.

The form will also contain switches that will determine whether the following fields are either enabled or disabled:

- Student IEP number

At the end of the form, there will be four buttons:

- Save button: It will save the information to the Firebase database. If already present, the data will be updated accordingly. If not present, the information will be added as new information.
- Clear button: This button will clear the states of all buttons and text fields in the form. If there are any errors displayed on the textboxes, it will be cleared as well.
- Close: This button will prompt the user asking if they want to exit the application. If the user presses 'Yes', the application will exit and go to the background. If the user presses 'No', the prompt disappears and nothing else changes.
- Observation: On pressing this button, the user will be prompted to either select 'Automatic' observation or 'Manual' observation. For now, these button presses will take the user to empty screens.

Name: Rabin Ranabhat

Project 3: ATLS - 5120

The page will also contain a 'Find' button. This can be used to search the student Id in the database. If data is present, it will be shown to the user by filling out all the text fields in the student form.

The database used for the form is Firebase. The android (done as a part of Grad project) and iOS application will both use the same firebase database to store and retrieve information.