

## Main.swift

### Outlets

- *confirmButton*
  - This outlet represents the *Confirm Button* button.
  - This outlet was created for the purpose of enabling and disabling the button.
  - This outlet was created for the purpose of changing the color of the button.
- *settingsButton*
  - This outlet represents the *Settings Button* button.
  - This outlet was created for the purpose of enabling and disabling the button.
  - This outlet was created for the purpose of changing the color of the button.
- *numLabel1*
  - This outlet represents the *Num Label1* label.
  - This outlet was created for the purpose of changing the text of the button.
  - This outlet displays the first digit of the four-digit passcode.
- *numLabel2*
  - This outlet represents the *Num Label2* label.
  - This outlet was created for the purpose of changing the text of the label.
  - This outlet displays the second digit of the four-digit passcode.
- *numLabel3*
  - This outlet represents the *Num Label3* label.
  - This outlet was created for the purpose of changing the text of the label.
  - This outlet displays the third digit of the four-digit passcode.
- *numLabel4*
  - This outlet represents the *Num Label4* label.
  - This outlet was created for the purpose of changing the text of the label.
  - This outlet displays the fourth digit of the four-digit passcode.
- *numLabelCenter*
  - This outlet represents the *Num Label Center* label.
  - This outlet was created for the purpose of changing the text of the label.

- This outlet displays a message when there is no ongoing sign-in.

## Actions

- *numButtonPressed*
  - All number buttons are connected to this action.
  - This action checks to see if there is an ongoing sign-in.
    - If true, it communicates with the *numLabels* and determines whether and where the number should be displayed.
    - If not, it displays a message on *numLabelCenter* informing the user to begin a new Sign-In and does not communicate with the *numLabels*.
  - This action checks to see if the admin password has been entered and enables the *settingsButton*.
- *settingsButtonPressed*
  - The *settings* button is connected to this action.
  - This action resets the *numLabels*.
- *deleteButtonPressed*
  - The *delete* button is connected to this action.
  - This action checks to see if the user has entered a number previously and resets a *numLabel* accordingly.
  - This action disables and makes transparent the *confirm* button.
- *confirmButtonPressed*
  - The *confirm* button is connected to this action.
  - This action disables the *settingsButton*.
  - This action resets the *numLabels*.
  - This action disables and makes transparent the *confirm* button.

## ConfirmSignIn.swift

## Outlets

- *nameLabel*
  - This outlet represents the *Name Label* label.
  - This outlet was created for the purpose of changing the text of the label.

- This outlet displays the name of the student or the error message.
- *imageController*
  - This outlet represents the *Image Controller* image view.
  - This outlet was created for the purpose of changing the image of the image view.
  - This outlet displays either the picture of the student or the crest.

## Actions

- *confirmSignIn*
  - The *confirm* button is connected to this action.
  - This action checks *var studentHasSignedIn*.
    - If true, the action sets *var undoComplete* to false and dismisses.
    - If false, the action “signs in” the student, appending it to the *signedInStudents* array.
    - Secondly, the action clears the *lastSignIn* array and appends the student to it, preparing it for an Undo.
    - Thirdly, the action removes the student from the *currentStudentArray*.
    - Finally, the action sets *var undoComplete* to false and *var studentHasSignedIn* to false also.

## Gateway.swift

## Outlets

- *endSignIn*
  - This outlet represents the *End Sign In* button.
  - This outlet was created for the purpose of showing and hiding the button.
  - This outlet was created for the purpose of changing the color of the button.
- *beginSignIn*
  - This outlet represents the *Begin Sign In* button.
  - This outlet was created for the purpose of showing and hiding the button.
  - This outlet was created for the purpose of changing the color of the button.
- *advancedSettings*
  - This outlet represents the *Advanced Settings* button.

- This outlet was created for the purpose of showing and hiding the button.
- This outlet was created for the purpose of changing the color of the button.
- *undoLastStudent*
  - This outlet represents the *Undo Last Student* button.
  - This outlet was created for the purpose of showing and hiding the button.
  - This outlet was created for the purpose of changing the color of the button.

## Actions

- *beginButtonPressed*
  - The *begin* button is connected to this action.
  - This action sets *var checkInStart* to true.
  - This action changes the colors of *beginSignIn* and *advancedSettings* to transparent.
  - This action changes the colors of *endSignIn* and *undoLastStudent* to Cardinal Red.
  - This action hides *beginSignIn* and *advancedSettings*.
  - This action shows *endSignIn* and *undoLastStudent*.
- *endButtonPressed*
  - The *complete* button is connected to this action.
  - This action sets *var checkInStart* to false.
  - This action changes the colors of *beginSignIn* and *advancedSettings* to Cardinal Red.
  - This action changes the colors of *endSignIn* and *undoLastStudent* to transparent.
  - This action shows *beginSignIn* and *advancedSettings*.
  - This action hides *endSignIn* and *undoLastStudent*.

## FormAndGender.swift

## Outlets

- *freshmenButton*
  - This outlet represents the *Freshmen Button* button.
  - This outlet was created for the purpose of changing the color of the button.
- *sophomoreButton*

- This outlet represents the *Sophomore Button* button.
- This outlet was created for the purpose of changing the color of the button.
- *juniorButton*
  - This outlet represents the *Junior Button* button.
  - This outlet was created for the purpose of changing the color of the button.
- *seniorButton*
  - This outlet represents the *Senior Button* button.
  - This outlet was created for the purpose of changing the color of the button.
- *boyButton*
  - This outlet represents the *Boy Button* button.
  - This outlet was created for the purpose of changing the color of the button.
- *girlButton*
  - This outlet represents the *Girl Button* button.
  - This outlet was created for the purpose of changing the color of the button.

## Actions

- *freshButtonPressed*
  - The *III* button is connected to this action.
  - This action checks whether *var freshCheck* is true or false.
    - If the variable is true, the action sets it to false and changes its color to grey.
    - If the variable is false, the action sets it to true and changes its color to Cardinal Red.
- *SophButtonPressed*
  - The *IV* button is connected to this action.
  - This action checks whether *var sophCheck* is true or false.
    - If the variable is true, the action sets it to false and changes its color to grey.
    - If the variable is false, the action sets it to true and changes its color to Cardinal Red.

- *juniorButtonPressed*
  - The *V* button is connected to this action.
  - This action checks whether *var juniorCheck* is true or false.
    - If the variable is true, the action sets it to false and changes its color to grey.
    - If the variable is false, the action sets it to true and changes its color to Cardinal Red.
- *seniorButtonPressed*
  - The *VI* button is connected to this action.
  - This action checks whether *var seniorCheck* is true or false.
    - If the variable is true, the action sets it to false and changes its color to grey.
    - If the variable is false, the action sets it to true and changes its color to Cardinal Red.
- *boyButtonPressed*
  - The *boys* button is connected to this action.
  - This action checks whether *var boyCheck* is true or false.
    - If the variable is true, the action sets it to false and changes its color to grey.
    - If the variable is false, the action sets it to true and changes its color to Cardinal Red.
- *girlButtonPressed*
  - The *girls* button is connected to this action.
  - This action checks whether *var girlCheck* is true or false.
    - If the variable is true, the action sets it to false and changes its color to grey.
    - If the variable is false, the action sets it to true and changes its color to Cardinal Red.
- *formAndGenderConfirm*

- The *confirm* button is connected to this action.
- This action checks whether *var freshCheck* is true or false. If it is true, the action appends (3.0) to *formArray*.
- This action checks whether *var sophCheck* is true or false. If it is true, the action appends (4.0) to *formArray*.
- This action checks whether *var juniorCheck* is true or false. If it is true, the action appends (5.0) to *formArray*.
- This action checks whether *var seniorCheck* is true or false. If it is true, the action appends (6.0) to *formArray*.
- This action checks whether *var boyCheck* is true or false. If it is true, the action appends (“M”) to *genderArray*.
- This action checks whether *var girlCheck* is true or false. If it is true, the action appends (“F”) to *genderArray*.
- This action then dismisses the *viewController*.

### **AdvancedSettings.swift**

#### **Outlets**

- *textField*
  - This outlet represents the *Text Field* text field.
  - This outlet was created for the purpose of changing the text of the text field.
  - This outlet displays the JSON source link for the app.

#### **Actions**

- *updateJSON*
  - The *update* button is connected to this action.
  - This action sets the text in *textField* as the text of *var JSONUserInput*.

### **UndoSignIn.swift**

#### **Outlets**

- *undoImage*
  - This outlet represents the *Undo Image* image view.
  - This outlet was created for the purpose of changing the image of the image view.

- This outlet displays either the picture of the student or the Cardinal Logo.
- *nameLabel*
  - This outlet represents the *Name Label* label.
  - This outlet was created for the purpose of changing the text of the label.
  - This outlet displays either the name of the student or the error message.

### Actions

- *confirmUndo*
  - The *confirm* button is connected to this action.
  - This action checks if *var undoable* is true.
    - If true, the action appends the student in *lastSignIn* back into *currentStudentArray*, removes the student from *lastSignIn*, removes the student from *signedInStudents*, sets *var undoCompleted* to true, and sets *var studentHasSignedIn* to false.
  - This action then dismisses the *viewController*.

### SignInComplete.swift

### Outlets

- *(nil)*

### Actions

- *donePressed*
  - The *done* button is connected to this action.
  - This action resets the values of properties to their original states.
  - Then, the action sets the students in *currentStudentArray* to the students in *newStudentData*, resetting *currentStudentArray* to include all students.

### FinalStudentList.swift

### Outlets

- *(nil)*

### Actions

- *(nil)*