## Stuff that was an issue during app development for assignment one

* Tried to use one of the icons from the makeappicon.com website as an image view in my main.storyboard, however the @3x at the end of the file name made swift behave strangely. I had to rename the file to get it to show in original size.
* Auto constraints was a problem, had to do some of them manually and then add missing constraints to fix the rest.
* The app looks terrible on iPad, everything is too close to the top of the screen. Not sure how to fix this efficiently.
* My app doesn’t match Google’s exact currency conversions because I only implemented the exchange rate to the nearest penny.
* Implementing NumberFormatter was a huge pain, I’m too new at developing with Swift.

## For the bonus 5th mark

* I’m not sure if this counts, but I looked up how NumberFormatter worked, and implemented it so that my converted amount always displayed with a dollar sign and rounded to two decimal places.
* I found information on how to use this function at:
  + <https://developer.apple.com/documentation/foundation/numberformatter>
  + <https://stackoverflow.com/questions/41558832/how-to-format-a-double-into-currency-swift-3>
  + <https://supereasyapps.com/blog/2016/2/8/how-to-use-nsnumberformatter-in-swift-to-make-currency-numbers-easy-to-read>

## Features

* Launch screen (featuring lavender text, somebody’s favorite color).
* Currency conversion from CAD to USD and vice versa.
* Fancy icon, with background color extended to storyboard background.
* Annoying alert to let you know that the fields have been reset.
* That’s about it, pretty simple app so far.

## Things to add

* More currency types.
* More accurate conversion.
* A history of past conversions.
* Rotation/landscape support.
* Make the app look less horrible on iPads.
* Validation, so I can use something other than the basic numberpad.
* Maybe have it so that if the user changes the conversion type, the conversion happens automatically instead of having to click convert again.