

## CSCI 436 - Technology for the Social Good

### Group 7 - Better Future

**Group Members - Grad Student: Gabriel Lam and Undergrad Students:  
Dakota Badillo-Cochran, Micah Phelps, and River Yearian.**

### Implementation Checkpoint 4:

#### Submitted Files Manifest:

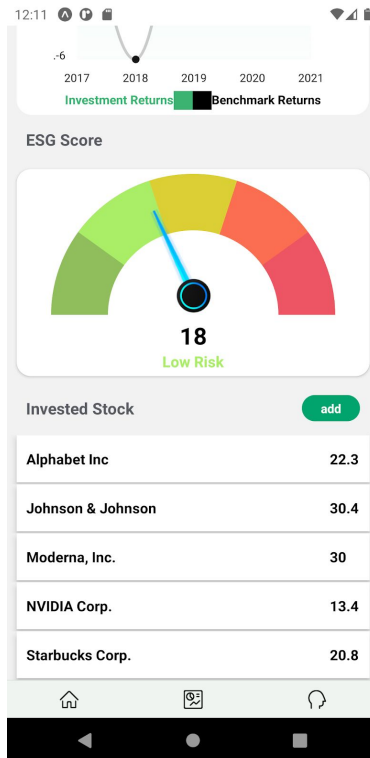
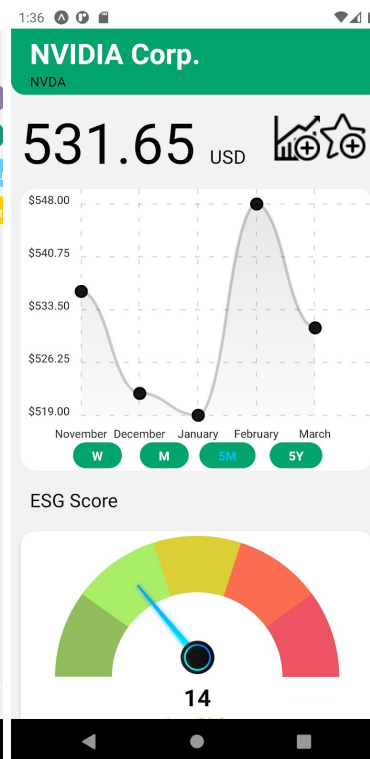
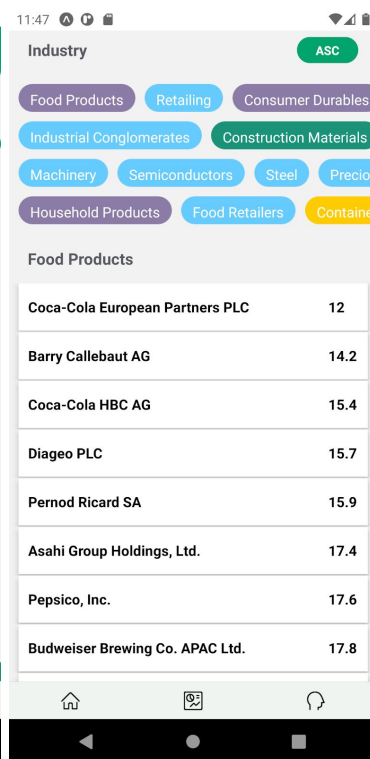
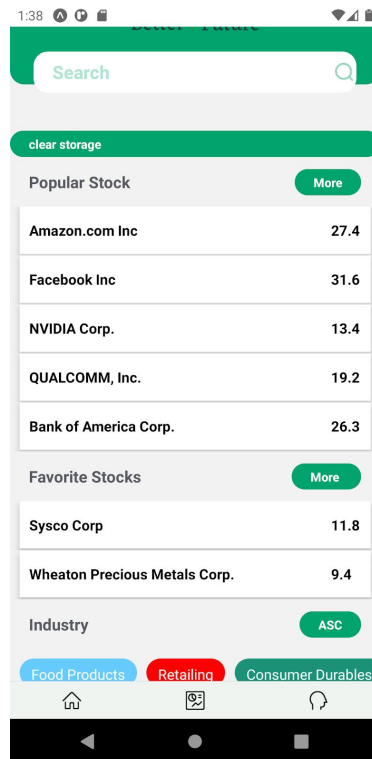
- Implementation Checkpoint writeup
- database.sql - our database of ESG scores
- Sector\_grab.py - web scraping program for ESG scores
- app.py - Gets ESG rankings from the database online.
- better-future-main.zip - Our React Native app
- readme.txt

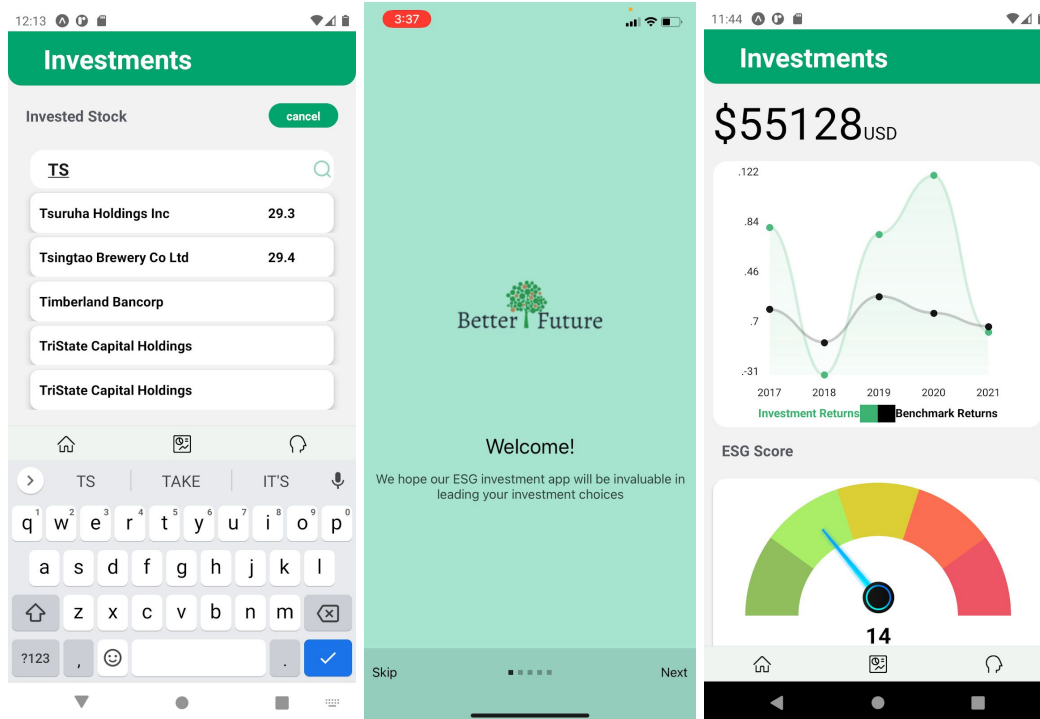
#### Briefly explain what you have completed so far.

Features:	Completed:	Front End	Back End
Main Menu	Y	Search changes, Top Earners display	Top Earners Implementation
DataBase	Y	N/A	Use SQL to make our DB to save all ESG data
API	Y	Fetch data in reactnative	Make the API for react-native
Profile Page	Cancelled	Username, stock favorites, add profile photos	ESG calculations
Investments	Y	Graphs work properly, API updates page, Delete stocks from page	ESG values display, API stock integration, # of shares owned
ESG Investing Tutorial	Y	Simple tutorial explaining ESG	New user popup for this
Company Overviews	Y	Graphs work properly that shows company monthly yearly and weekly stock price, API updates page for company	ESG values display, API stock integration that returns all data( yearly , monthly,weekly)
News	Cancelled	Removed due to time constraints	See reasoning below
Top Stock by ESG	Y	Have main menu integration	ESG values display, API stock integration
Navigation	Y	Place all the pages which included	N/A

Sidebar		the pages on the menu bar	
ESG indicator	Y	Showing the stock ESG score	Make API for getting ESG score from DB
Search	Y	Search function for all US ticker/ company names.	Setup API that can search ticker and company name and return value and data.
WebsiteESG Investing	Y	Basic Explanation of Better Future	Database integration, Better Future Download
Video	Y	Video overview of project	N/A

# Give some screenshots of your current implementation





## Why do you think your current implementation should be considered as 100% of your final implementation?

The app is working! The user can search for stocks, record the number of shares they own, view their portfolio and their shares, assess their ESG score, view company profiles and see their share price / ESG score, get low ESG stocks across all industrial sectors, and view information about ESG.

We have finished the core functionality we set out to do.

## Acknowledgment and discussion of any parts of the program that are not working.

The profile page does not update in response to changes in the investment page. This is happening due to Async storage not storing/updating the variables needed to be used in the profile page. This is not a core functionality of our app, as our focus was on the details and investment pages. We have added this functionality to our “upcoming features” list and hope to have it done in our next version.

**What is your expected score (as a group) for this checkpoint?**

We expect full credit for this assignment.