

# JavaFix

*The Android App for people who love their caffeine but want to get the most out of their cup in a managed way!*

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<https://github.com/paceuniversity/cs6392015team1/wiki>

# The Problem

- Studies show that drinking coffee first thing in the morning is not as beneficial to your energy levels as it could be at other various times during the day. As the times of peak cortisol levels in most people are between 8-9 am, 12-1 pm and 5:30-6:30 pm.
- Timing your “coffee breaks” (an apt term) between 9:30-11:30 and 1:30 and 5:00 takes advantage of the dips in your cortisol levels when you need a boost the most.

# Research

- Studies show that New Yorkers drink 7 times more coffee than the people of any other city. <http://www.businessinsider.com/infographic-new-yorkers-drink-seven-times-more-coffee-than-everyone-else-2012-5>
- Timing your “coffee breaks” (an apt term) between 9:30-11:30 and 1:30 and 5:00 takes advantage of the dips in your cortisol levels when you need a boost the most <http://www.forbes.com/sites/anthonykosner/2014/01/05/why-the-best-time-to-drink-coffee-is-not-first-thing-in-the-morning/>
- People are unaware of the health hazards too much caffeine can do to your body such as insomnia, nervousness, restlessness, irritability, increased heart rate, and muscle tremors <http://www.mayoclinic.org/healthy-lifestyle/nutrition-and-healthy-eating/in-depth/caffeine/art-20045678>

# Description of the Users



Java Fix is for Todd. Todd works in downtown Manhattan and owns an Android phone. He earns \$90,000.00 per year. He has 3 to 4 cups of coffee per day and sometimes takes an espresso shot. He loves coffee and goes to different coffee places around his work area. He enjoys hot, iced, and espresso. Todd also promotes a healthy lifestyle and takes care of his physique and exercises 3 days a week. Todd need a way to track his coffee and caffeine intake during the day, as well as find coffee shops near him, and help him figure out which time of the day he needs his next cup to achieve the best boost from his cup of coffee.

# Features of the App

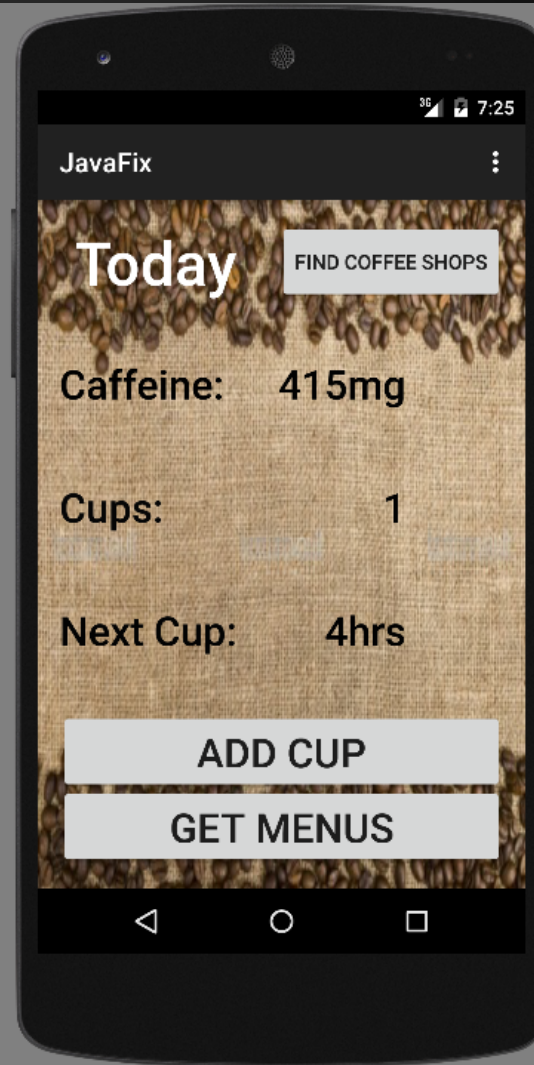
- User puts in zip code and up comes places to get coffee nearby
- Alarm like system to let him know the best time to drink his next cup
- Keep track of amount of caffeine
- Pick from popular caffeinated beverages from your favorite vendors
- User enter cups of coffee and fluid ounces
- Keeps a record of coffee places the user goes to daily

# Technology

- Google Maps
- AsyncTask
- GitHub
- Android Studio

# Opening Screen

- See how many cups consumed today
- how much caffeine has been consumed
- When next cup of coffee should come
- User can choose to find coffee shops that opens a map of coffee shops in Lower manhattan
- User can see starbucks and dunkin donuts menus by choosing Get Menus
- User can Add a cup of coffee

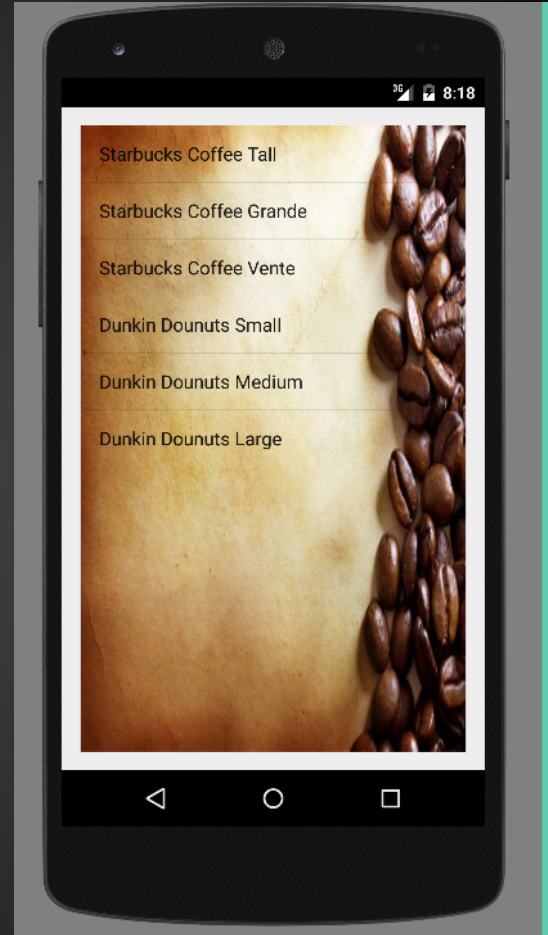


# User chooses Add a Cup

User can choose to add coffee that is already in their list of view of places they go and the cups they drink

*\*Right now all cups have same caffeine, but taking this app further, each ListView would add different amount of caffeine depending on the size.*

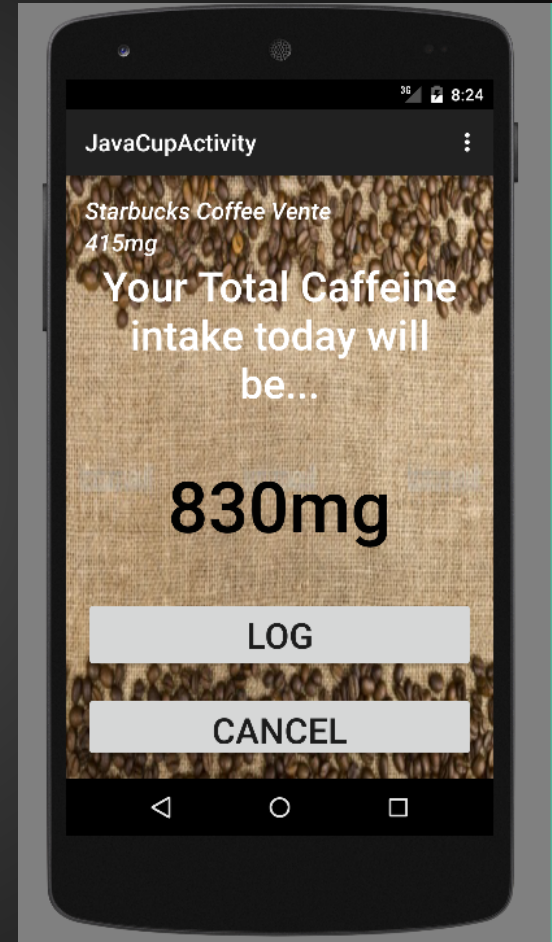
*\*We would also add more fonts and font sizes to the ListView*





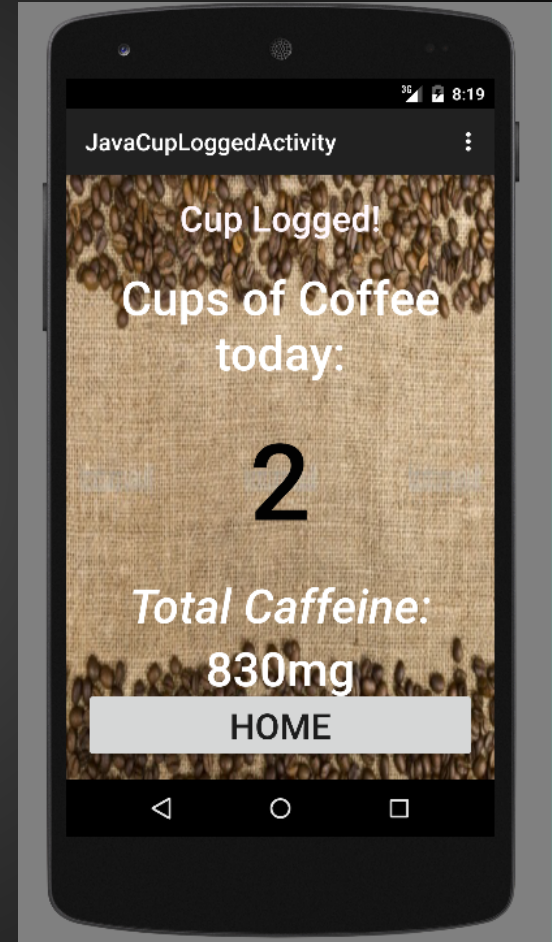
# Checking if User Wants to Add a Cup

- User can choose to log cup or cancel the request.
- User see how much caffeine his coffee will add.
- User can also see the coffee he chose



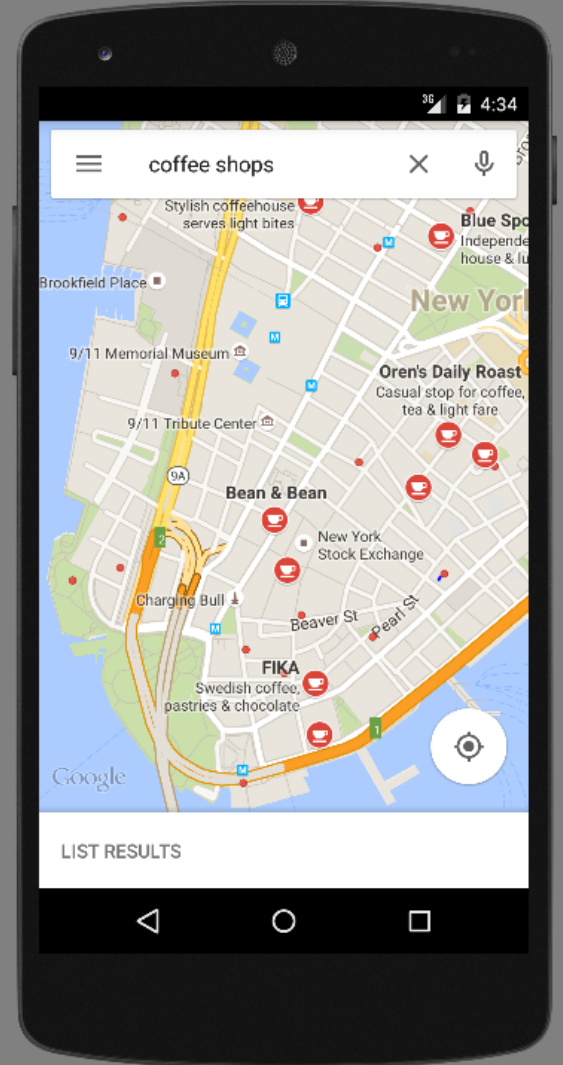
# Cup Logged

- Total Cups of Coffee Today
- Total Amount of Caffeine Today
- Go Back to Home Page



# Maps

- Coffee Shops are already entered into Map Activity
- Located in Downtown Manhattan in the Financial District
- \*To add to project we could have the user add



## Using Async Tasks to Download both Starbucks and DD Menus from the web.



# Development Status

- Basic Prototype is created
- No plans to continue development at this time.
- App was used with API 22 Android 5.1.1

# Dev. Problem Areas

- Google Maps
- Emulator Speed
- All group members using same emulator (Maps would work on one device and not another's)