

# Test4Time

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# Background

Creating an application that allows users to restrict access to applications until activity goals are met.

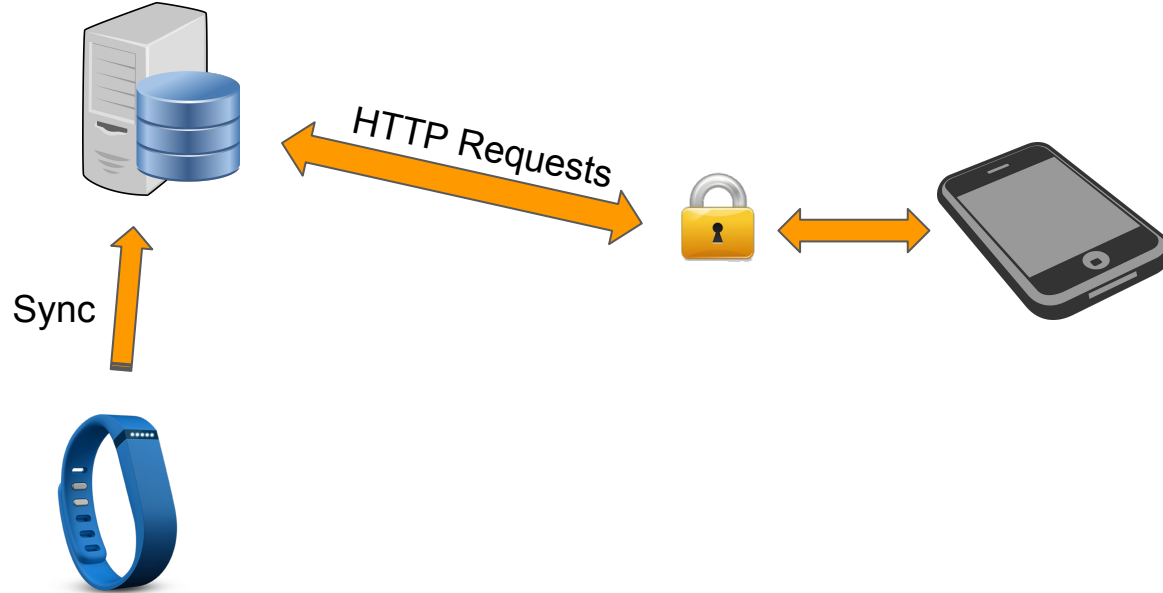


# Languages / Frameworks

- Java (1.8)
- JSON
- Android Development (4.4 - 7.0.1)
- Fitbit API (JSON)
- HTTP Requests
- Jackson (JSON Parser)



# Application



# Rationale

**Java vs other languages** - because android

**Android vs iOS** - iOS is much more locked down than android. Research indicated it would be much harder/perhaps impossible to truly block applications on iOS. Additionally, our group lacked iOS development knowledge and dev environments.

**Fitbit vs other fitness trackers** - Fitbit holds the highest market share in the US for wearable tech as of 2016. Additionally, their API is easily accessible and dev accounts are easy to make and verify.



# Code Repository Organization

- Master branch - stable, production version.
- Testing branch - branch to conduct our testing before merging to master branch.
- 4 development branches - 1 branch for each developer.
- Code reviews conducted by every team member.
- Unanimous agreement before any merges.

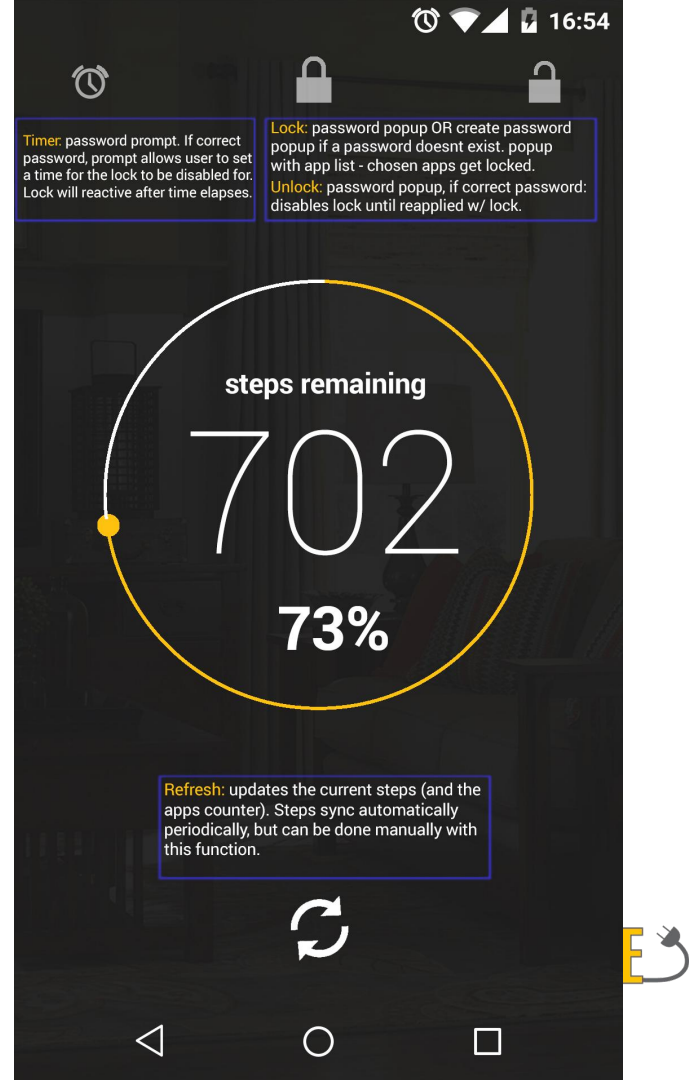
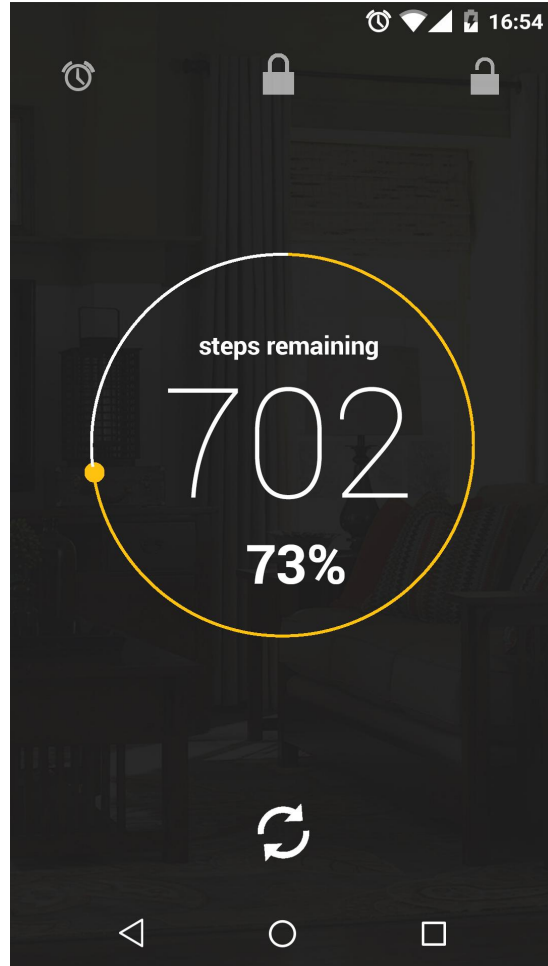
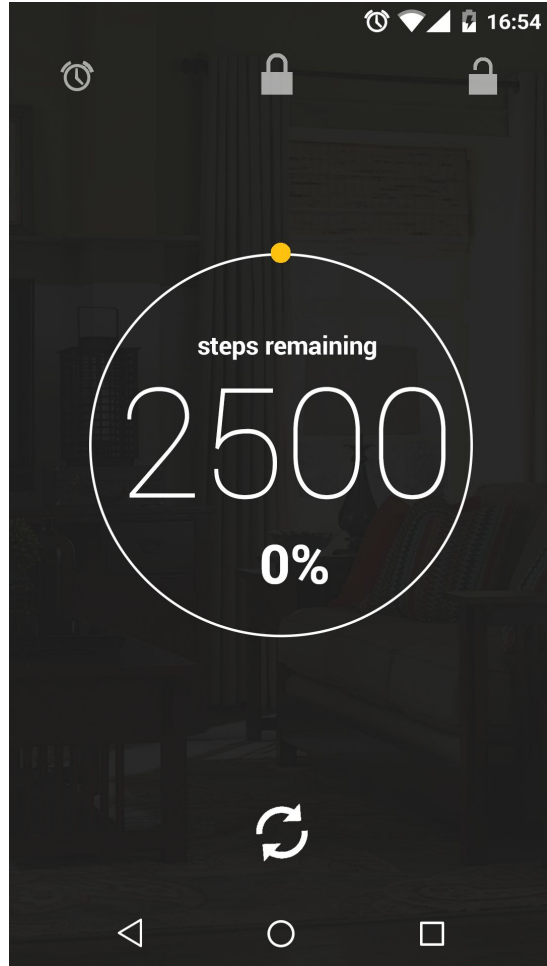


# 1st Sprint

- Have communication service between Fitbit API and Application implemented.
- Working basic application that can display data from Fitbit API.
- Core backend of the application functional.



# UI mockup sprint1 (tentative)





# Divisions of Labor

- David Fletcher
  - Data communication between application and Fitbit Server
  - Contributor to backend of application
- Halston Raddatz
  - Contributing to design and implementation of the user interface
  - Working with “admin” features (timer, lock, unlock, passcode interfaces)
- Alan Bunch
  - Implement background service to improve the block apps functionality
  - Implement the UI for the application
- Trevor Chappell
  - Design built in step counter.
  - Contribute to backend data management.
    - Managing separate accounts with step count and time earned.



# Teamwork Policies

- Meet with sponsor at least once every two weeks.
  - Meetings are held Thursdays at 12:00.
- Keep GitHub repository updated with what we are actively working on.
- Keep GitHub journals updated.
- Maintain active communication with other team members.

