Session 1 Recap

Thursday, August 30, 2018 8:34 PM

Important Notes:

- Next Session: Friday, September 7th, 2018
- I will be hosting these recaps here: https://Dublin-Scioto-CS-Club-2018-19.github.io

What we Accomplished:

- After brainstorming various app ideas, we decided to build a Homework Planner app
- Wrote problem statement, initial requirements, and some app mock ups

Problem Statement:

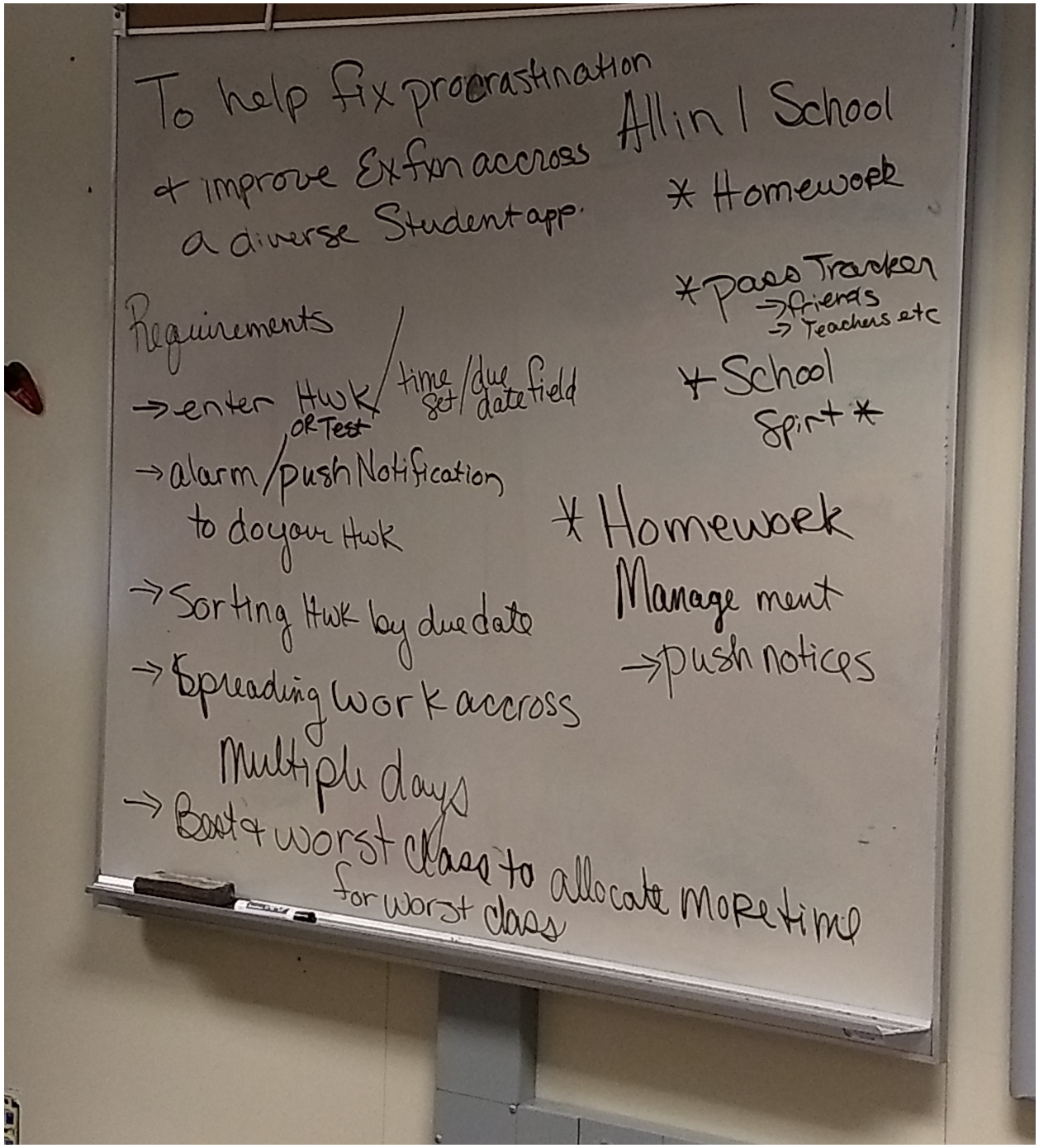
Students procrastinate on getting their homework done

Solution:

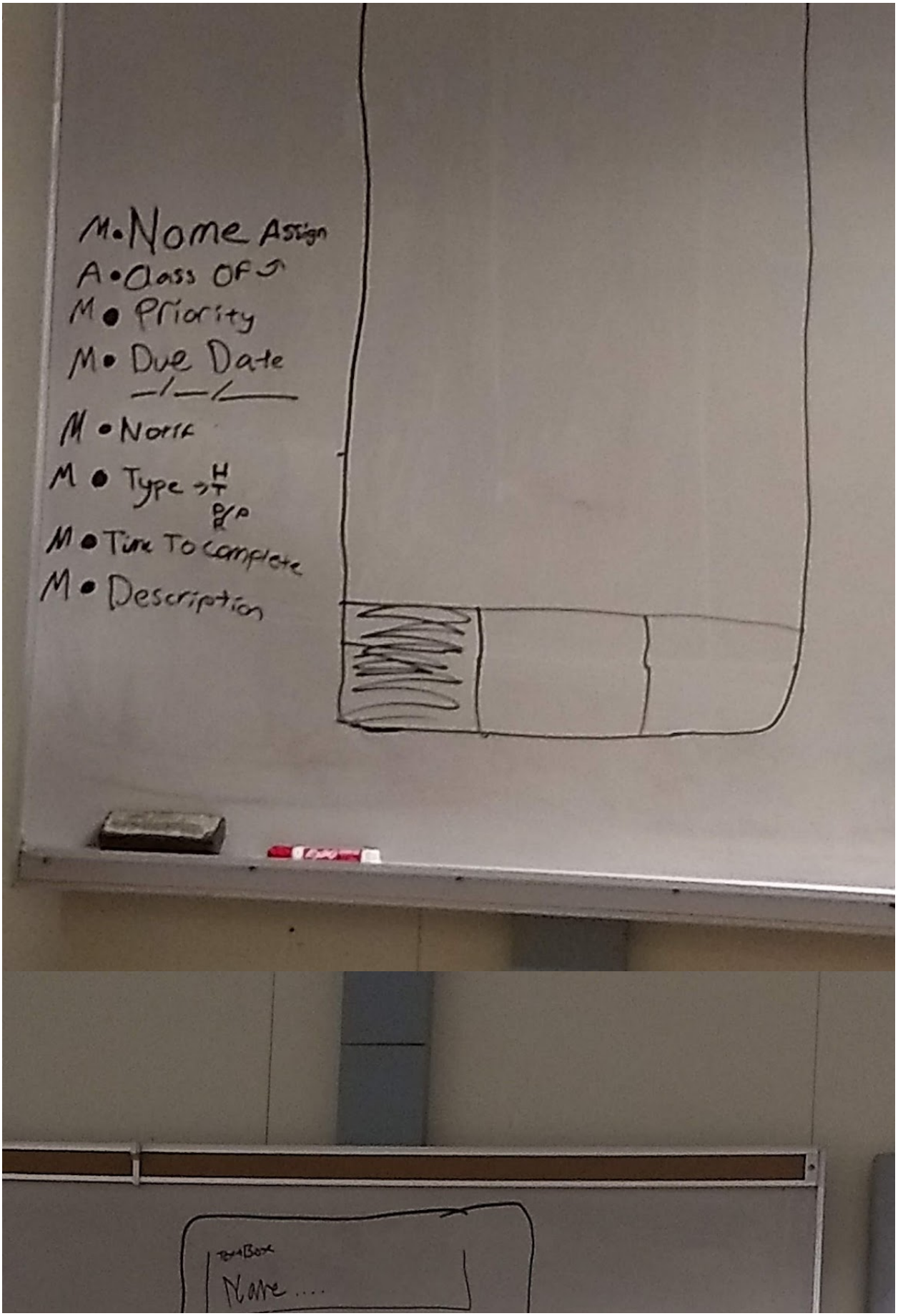
An app that will help fix procrastination and improve executive functions across all students.

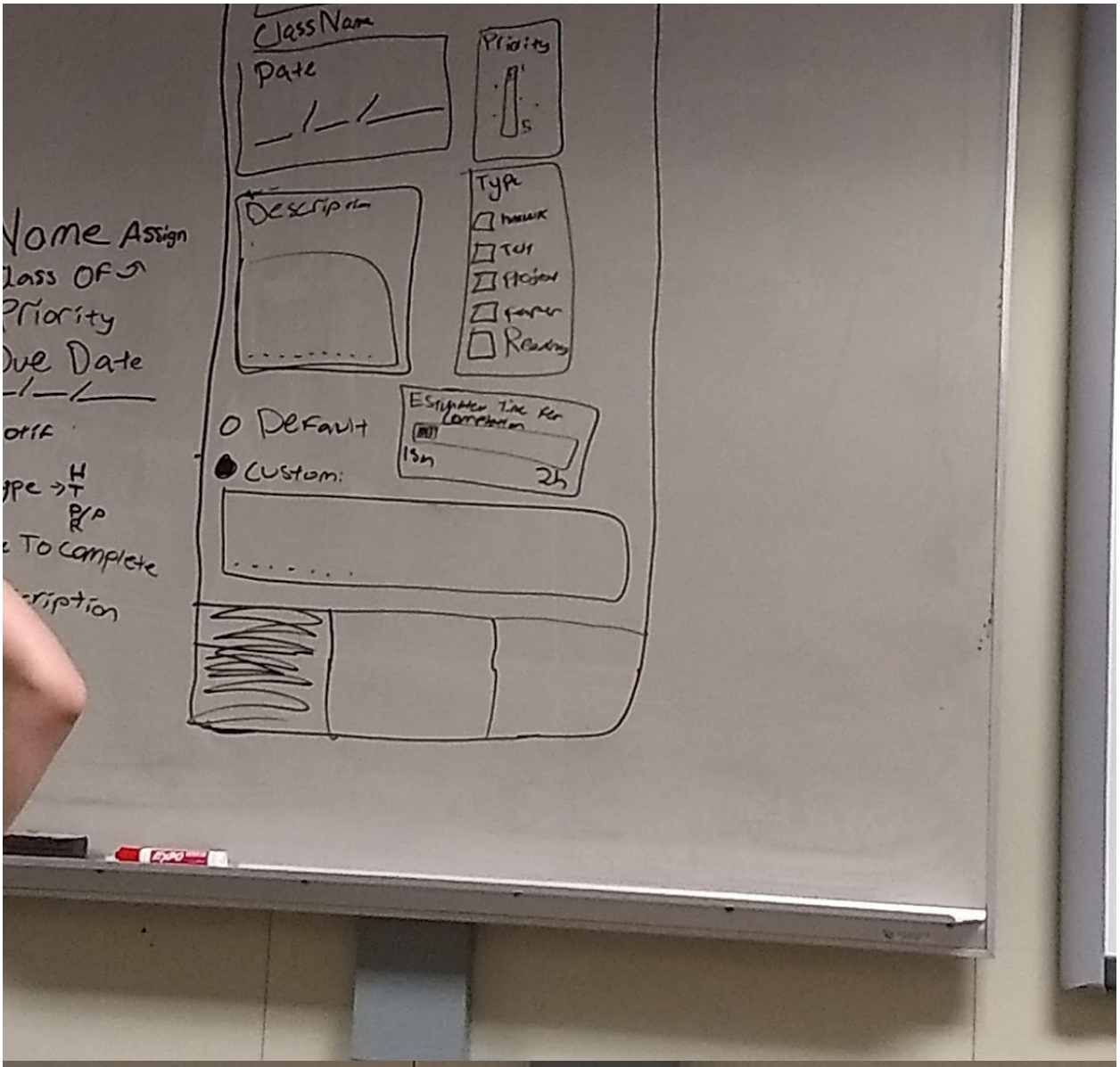
Requirements:

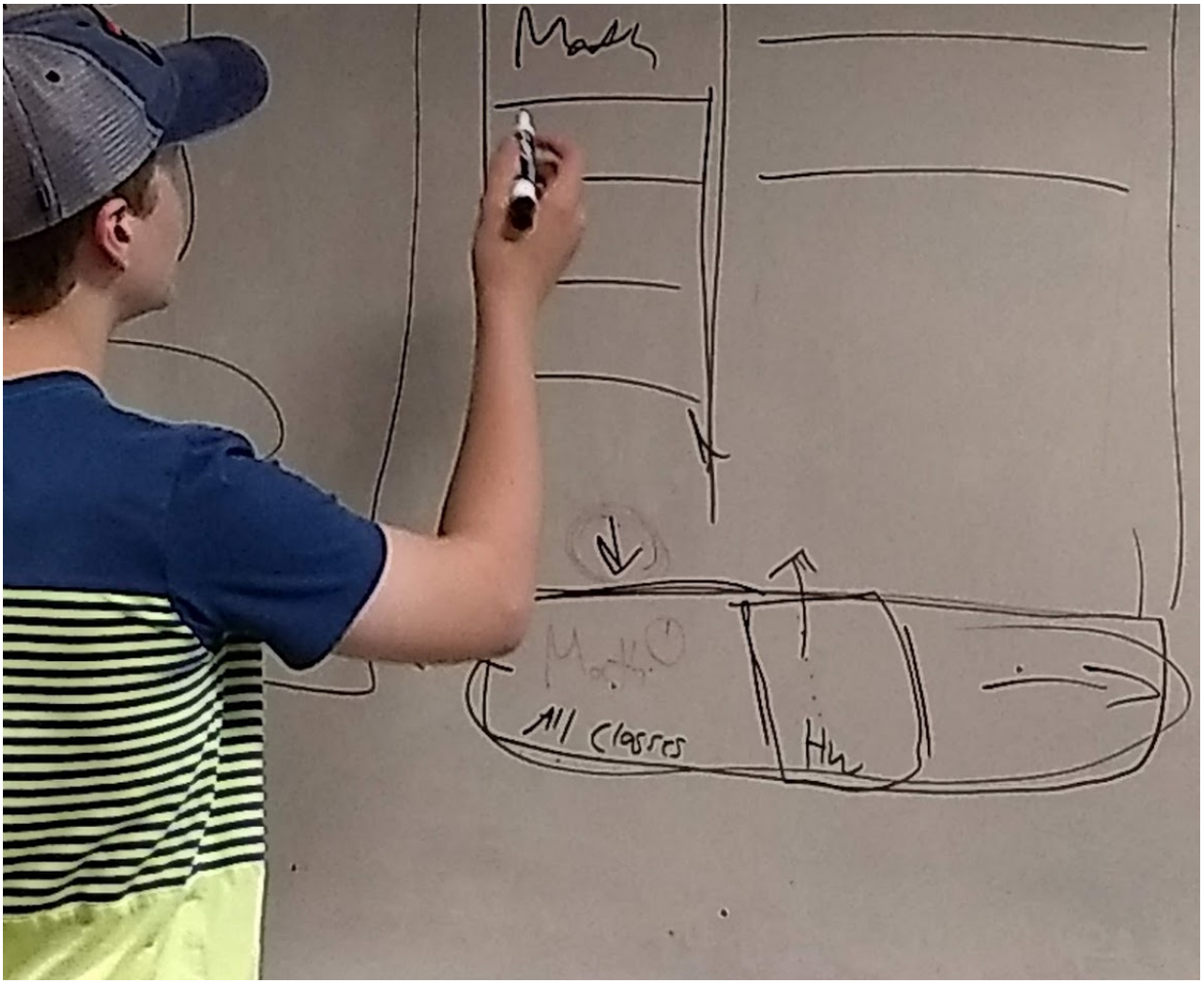
1. Enter homework/assignments, with the amount of time it will take and the due date
2. Receive notifications to work on their homework
3. Sort assignments by due date and priority
4. Split large assignments up into smaller chunks across days
5. Set best and worst classes to help set priority


To help fix procrastination
+ improve Exfxn accross a diverse Student app.
All in 1 School
* Homework
* pass Tracker
→ friends
→ Teachers etc
* School Spirit *
Requirements
→ enter Hwk / time set / due date field
OR Test
→ alarm / push Notification to do your Hwk
→ Sorting Hwk by due date
→ Spreading Work accross Multiple days
→ Best + worst class to allocate More time for worst class
* Homework Manage ment
→ push notices

Mock Ups:


M. Nome Assign
A. Class Of
M. Priority
M. Due Date
M. Notes
M. Type
M. Time To Complete
M. Description
Name ....


Class Nam
Date
Priority
Type
Default
Custom:
Add Themes



Next Steps:

1. decide what technologies we will use to build this application
    a. Android Studio - https://developer.android.com/studio/ (Tutorial - https://codelabs.developers.google.com/codelabs/build-your-first-android-app-kotlin/index.html#0)
        i. Kotlin is a newer programming language to build android apps, it's pretty similar to java, should actually be simpler to learn than older android development
    b. Thunkable - https://thunkable.com/#/
        i. Drag and drop mobile app development. Probably limited in which features are available, as well as design and layout, but easier to learn and get set up
    c. Snap! - https://snap.berkeley.edu/
        i. Web only, no mobile. Easier to program, but harder to design and customize
2. Create "Features" and assign work between team members

    a. We can use GitHub for this to track progress https://github.com/Dublin-Scioto-CS-Club-2018-19
    b. everyone will need to create a GitHub account (it's free, then I will add to the Dublin CS Club group linked above)
3. Create "Hello World" app, make sure everyone has access, and can make updates to it
    a. if we do android studio we'll track in GitHub, though we need to determine if we'll be able to use git on school computers
    b. if we use other solution, maybe a shared login, we'll need to do more research

Android Resources:

1. Install Java SE version 7 or greater (ideally latest)
    a. also in tutorial above
2. Install Android Studio
    a. see above, follow tutorial to also figure out installation of android emulators
3. Install git
    a. if we have no access to command line hopefully we can still use the integrated git in android studio