**Management Tasks - Dev**

**Management Milestones**

* Create continuous integration pipeline
  + **First, both of us will research different CI approaches**
  + **Compare different approaches, choose one, then set it up on the weekend**
* Create a CI merge procedure document
  + **This comes after prior step**
  + Merge procedures
  + Creating own unit tests
  + Code reviews
* Figure out access restrictions for new developers:
  + Firebase - create non admin users
  + Iron out dev team email restrictions
    - Discuss with Dave
  + Github Smarta repo credentials remains with Alpana & Adi
* Draft front-end sizing/spacing aesthetic document → **complete once Jesse gives us the final wireframes** 
  + **Purpose:**
    - Make sure all developers share the same aesthetic in their features
    - Finalize our front-end design so we all know what we are building our product towards
  + This document contains:
    - Spacing guidelines and size guidelines for commonly used widgets
    - Packages for front end designs
    - Color scheme employed for our MVP
* Knowledge Transfer (KT) documents
* Hiring roles
  + What needs to be done to build the MVP in the next semester?
  + Based on this, we split up tasks based on:
    - Things we want to do
    - Things we can give to other employees
  + What skills/traits are we looking for in new hires?
    - Work mentality
    - Adaptability
    - Technical skills

**Questions to Ask Dave**

* Should we focus on management tasks or development?
  + **Focus on management tasks first**
* Should we split development into desktop and mobile next term?
  + **Focusing just on mobile for MVP!**
* Do we need to develop for both iOS and Android for the MVP?
  + **Preferable to have both for MVP**
* Is our application going to be run on tablets (ie. iPads, surfaces, etc.)?
* Can we have a call once the wireframes are ready so we can collectively agree upon the designs of all components?
* Is Smarta still a relevant name based on our product? ( pls don’t hate us :’D )
  + Smarta is love, Smarta is life

**Milestones for MVP Deliverable**

* **Aim: produce MVP by mid November!**
* Sharing:
  + Chat feature
  + Map feature
  + User profile access (restrictions for property owners)
* Tenants:
  + Dashboard
    - Living off campus walkthrough feature: [Checkout this guide](https://www.buffalo.edu/campusliving/find-your-home/living-off-campus.html)
    - My school feature
  + Roommate Finder
  + Property search/shortlisting feature
  + My School Feature
    - Campus map
    - Campus events calendar
* Property Owners:
  + Dashboard
  + Property upload feature
    - Add complex amenities
* Features Worth Exploring for MVP:
  + **“How to use Smarta” tutorial - REQUIRED**
  + This section is based on document “Alpana - SMARTA Market Research.docx”
  + Walkthrough feature (explains living off campus, legal terms, rental process, storage, moving, short term apartments, hotels, legal advice/resources, Tenants rights, transportation services, etc.)
    - Can showcase this in one video/multiple, articles, links to resources, our own written guides, maybe a personal Smarta blog?
  + Platform for buying/selling furniture from existing Smarta users
  + Roommate contract → possibly link to Smarta rewards for adhering to said contract for the term(s)
  + Review landlords **(debatable)**
  + Off campus safety and off campus crime statistics → integrate with the map feature potentially?
  + Sustainability guide → connect to landlords and map filtering: **(worth exploring)**
    - Conduct market research from students to get data
    - Bring it to landlords, showcasing student interest, and ask them how interested they are in this
  + Filter out property searches according to badges (pet owners, etc.)
* Features Worth Exploring Later:
  + International students homestay program!

**Hiring Decisions**

* Based on above tasks and personal opinions: **we should hire one person to start with**
* **Goal:** hire someone preferably by mid-August (we should have someone all set up by august end, so they can start working in September)
  + Give them last two weeks of August to pick up flutter
* What skills/traits are we looking for in new hires?

Potential interview questions:

* Tell us about yourself. How did you get to where you are now?
* Why did you choose software engineering?
* Web development prior experience
* Tell us about a time when you had to learn a new skill(s) in order to complete a project. What was the project, what skills did you have to learn, and how did you learn it?
* How do you manage task distribution in group projects?
* Tell us about a project you have done that you are most proud of
  + What went wrong in your project?
  + How did you troubleshoot bugs in your code?
* What’s your work mentality like? What kind of people do you typically like to work with?
* What are the top 3 traits you look for in a company you want to work at?
* Submit an example of a technical report you wrote recently to us
* What does your Fall 2020 schedule look like?

How we would answer these questions:

* How do we resolve conflict with one another?
  + Example: deciding tech stacks
    - We both had different opinions on which tech stacks we should use → disagreement
    - We handled this disagreement by listening to each others point of view, and trying to understand the positives in their approach → respecting each others opinion
    - Keeping the mission of the company in mind, and not focusing on a “who’s right, who’s wrong” scenario → we stuck to the facts when deciding what tech stack would work best
    - We kept in mind at all times, that **we are all on the same team!** Our professional relationship with one another is symbiotic → we all want what is best for the company and the team