

# **“ChoreMates” Release Plan**

*Last Revised: 12/3*

*Revision: 5*

**Fall Quarter**

## **ChoreMates**

Katherine Kosolapova - Product Owner

Maggie Heathcote - Developer

Nathan Nguyen - Developer

Annabel Truong - Developer

Victoria Ayala - Developer

Ethan Lin - Developer

## **High Level Goals**

- Ability to join a housing/family group
  - Parental feature (group admin)
- Ability to create, delete, and modify chores
  - Option to include sublists for the chores with specifications for what must be completed
  - Ability to mark chores as complete/incomplete
- Automated chore assignment with customized schedule rotation
  - Overflow with unclaimed/unassigned chores
  - Implement chore trading system
- Implement notification system
  - Reminders to complete chores
  - Alert when the schedule rotates
- Implement an anonymous messaging/commenting system
- Include custom aesthetic to enhance user feel
- Include section with list of house needs
  - Integrate splitwise for simple cost management

## Sprint 1 (Total points = 30)

➤ *SCRUM MASTER: Maggie*

➤ User Stories:

- {Priority: 1} ACCOUNT: As an app user, I want to be able to make my own account so I have access to my own information. [10]
  - Ethan & Nate
- {Priority: 2} ADD/DELETE CHORE: As an app user, I want to be able to create and delete chores that I must complete. [8]
  - Maggie & Victoria
- {Priority: 3} MARK INCOMPLETE/COMPLETE: As someone who cleans at different times, I want to be able to keep track of what chores I have finished and what chores I still need to complete. [6]
  - Annabel
- {Priority: 4} SUBLISTS: As someone who has a lot of cleaning to do, I want to be able to create sublists for my chores to further divide up the tasks. [6]
  - Kat

➤ Spikes:

- Need to get familiar with the tech stack: React Native, Express.js
- Need to figure out Android Emulation
- Need to create the project shell for Git Repo

## Sprint 2 (Total points = 62)

➤ *SCRUM MASTER: Nate*

➤ User Stories:

- {Priority: 1} GROUP: As a college student, I want to be able to join a household group with my housemates so that I can coordinate chores with the people I live with. [18]
  - Ethan & Nate
- {Priority: 2} RECURRENCE: As someone who wants to build a routine, I want to be able to set chores to recur every so often without creating new chores every week. [18]
  - Annabel & Maggie
- {Priority: 3} PROFILE: As someone who loves personalization, I would like to be able to add a profile picture and customize my account. [10]
  - Victoria & Maggie
- {Priority: 4} CLOUD: As a frequent app user, I want to be able to access my app on my home screen regardless of my location. [16]
  - Kat

- Spikes:
  - Implement groups in the database and UI
  - Learn how to implement Cron Job to send out notifications at a certain times each week
  - Figure out how to manage the scheduling

## Sprint 3 (Total points = 48)

- *SCRUM MASTER: Victoria*
- User Stories:
  - {Priority: 1} ASSIGNMENT: As someone who has many chores that need to be split up among housemates, I want to be able to assign different chores to different people. [16]
    - Kat & Maggie
  - {Priority: 2} ADMIN: As a parent, I don't want my children to be able to modify the chore list so I want to be able to enable admin rights within my family group. [14]
    - Ethan & Nate
  - {Priority: 3} ROTATION: As a housemate who repeatedly does the same chores, I want a different housemate to get assigned to a chore after it resets. [9]
    - Annabel
  - {Priority: 4} GROUP COLOR: As someone who has individual chores and group chores, I want to be able to add a tag to my chores on the Home Page so that I don't get confused between the two. [9]
    - Victoria
- Spikes:
  - All group members have 1-2 midterms over course of sprint

## Sprint 4 (Total points = 43)

- *SCRUM MASTER: Ethan*
- User Stories:
  - {Priority: 1} ADMIN CREATE CHORES: As a group creator, I only want people with the proper permissions to be able to create and edit group chores. [6]
    - Kat
  - {Priority: 2} RECOMMENDED CHORES: As someone who wants setup to be fast, I would like there to be chores with descriptions already in the app that I can easily add to my house so I don't have to type out the details myself. [5]
    - Maggie

- {Priority: 3} CHORES DUE: As an app user, I want to see when a chore is due when I look at my chores list on the chore page. [3]
    - Maggie
  - {Priority: 4} TOGGLE ROTATION: As an admin of a housing group, I want to be able to set chores to be either static (non rotating) or dynamic (rotating amongst group members). [9]
    - Annabel
  - {Priority: 5} MEMBER/GROUP DISPLAY: As an app user, I want to see details about the groups I am in as well as display names of each member. [4]
    - Nate
  - {Priority: 6} ASSIGNMENT DISPLAY NAME: As an app user, I want to see display names when assigning members to a group chore so that it's easier to differentiate who's who. [4]
    - Kat
  - {Priority: 7} ADMIN EDIT GROUP NAME: As a group creator, I want to be able to edit the group name. [4]
    - Ethan
  - {Priority: 8} NOTIFICATIONS: As a mobile app user, I would like to be notified about incomplete chores and updated schedules. [8]
    - Victoria
- Spikes:
- Figuring out how to get our app on cloud and on the playstore/appstore
  - Implementing notifications
  - Thanksgiving Break

## **Team Capacity (Total = 70-100):**

- Kat: (14-17 hours)
- Nate: (12-18 hours)
- Victoria: (10-15 hours)
- Maggie (14-20 hours)
- Annabel: (10-15 hours)
- Ethan: (10-15 hours)

# Backlog

## Basic Functionality:

- ☒ ACCOUNT: As an app user, I want to be able to make and log into my own account.
- ☒ ADD/DELETE CHORE: As an app user, I want to be able to create and delete chores.
- ☒ SUBLISTS: As someone who has a lot of cleaning to do, I want to be able to create sublists for my chores to further divide up the tasks.
- ☒ MARK INCOMPLETE/COMPLETE: As someone who cleans, I want to be able to keep track of what chores I have finished and what chores I still need to complete.

## Features:

- ☒ GROUP: As a college student, I want to be able to join a house group with my housemates so that I can coordinate chores with the people I live with.
- ☒ ASSIGNMENT: As someone who has many chores that need to be split up among housemates, I want to be able to assign tasks to different people.
- ☒ ROTATION: As a housemate who repeatedly does the same chores, I want to be able to change what housemate gets assigned to what chore.
- ☒ RECURRENCE: As someone who wants to build a routine, I want to be able to set chores to recur every so often without creating new chores every week.
- ☒ NOTIFICATION REMINDERS: As an app user, I want to get notification reminders.
- ☒ NOTIFICATION ALTERS: As a mobile app user, I would like to be notified when the schedule has rotated and which chores I have been assigned.
- ☒ PROFILE CUSTOMIZATION: As someone who loves personalization, I would like to be able to add a profile picture.

## Stretch Goals:

- ☐ WEIGHTED CHORES: As someone who cares about fairness, I would like chores to have weights so the distribution is fair.
- ☒ ADMIN: As a parent, I don't want my children to be able to modify the chore list so I want to be able to enable admin rights within my family group.
- ☐ ANONYMOUS MESSAGING: As someone who is afraid of confrontation, I want to be able to keep my housemates on track by reminding them anonymously about their tasks.
- ☐ OVERFLOW: As a house, there are instances where there will be more chores than fairly distributed. I want to have a list that would allow people to pick up chores.
- ☐ TRADING: As someone who may prefer certain chores, I would like to offer to trade chores with my housemates.
- ☒ RECOMMENDED CHORES: As someone who wants setup to be fast, I want there to be chores with descriptions already in the app so I don't have to type out the details myself.
- ☐ CLOUD: As an app user, I want to be able to access the app regardless of my location.
- ☐ SHARED NOTES: As someone that shares stuff with housemates, I would like a place to track a shared shopping list.

## Known Problems

### Design Shortcuts:

- Home page collapsible reloading after adding/editing/deleting a chore is based on a hard coded time
  - doesn't actually detect when loading is done
  - occasionally reopens collapsible before loading is complete
- UI is designed for one specific screen size
  - sometimes width = 400 instead of '100%'
- Dates in the UI (current date and due date) are based on the phone system time, but the actual recurrence is based on the server time

### Bugs:

- Home doesn't refresh after creating a new group or disbanding a group
  - have to log out/in or reload Expo
- Sign in page reloads over itself
  - sometimes multiple times
- When you first sign in you're sent to the home page
  - when you log out and back in, you're sent to the settings page (last page viewed)
- Chore names are not case sensitive
  - can't add "abc" and "ABC" as separate chores
  - can't rename a chore from "wash dishes" to "Wash dishes"
- Assignment rotation sometimes skips over group members

### Missing Functionality:

- No security checks for proper username / password
- No control over ordering of tasks
  - ordered alphabetically, not in the order added
- No control over ordering of members/groups
- Were unsuccessful in deploying the app on cloud