# Test Plan and Report

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**Fall Quarter**

## ChoreMates

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## Sprint 1

➢ ACCOUNT: As an app user, I want to be able to make my own account so I have access to my own information.
  ○ Scenario 1: Create Account (**PASS**)
    ■ Register to create an account with a password and a unique username.
    ■ Will contain all user information including groups, chores, personal styling, etc.
  ○ Scenario 2: Sign In to Account (**PASS**)
    ■ Log in to your account if one was already registered with username and password
➢ ADD/DELETE CHORE: As an app user, I want to be able to create and delete chores that I must complete.
  ○ Scenario 1: Add Chore (**PASS**)
    ■ Click add chore button to access new chore form, enter relevant information then press add chore to save
    ■ Chore will display on home page and chores page after creation
  ○ Scenario 2: Delete Chore (**PASS**)
    ■ Click on the chore block on the home page to access the chore details, click the button to delete the chore
    ■ Chore will be deleted and will no longer be visible on the home page or chore page
➢ 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.
  ○ Scenario 1:  Mark Chore Complete (**PASS**)
    ■ Check off the chore on the "to-do" tab on the chores page

- The chore will be greyed out then moved to the "completed" tab
- All subsequent tasks belonging to the chore will also be marked completed
  - Scenario 2: Mark Chore Incomplete (**PASS**)
    - Un-check the chore on the "completed" tab on the chores page
    - The chore will go back to its original color then moved to the "to-do" tab
    - All subsequent tasks belonging to the chore will also be reset
  - Scenario 3: Mark Task Complete (**PASS**)
    - Click on the chore block to expand the tasks, check off the task
    - The task will be striked through indicating that it is completed
  - Scenario 4: Mark Task Incomplete (**PASS**)
    - Click on the chore block to expand the tasks, uncheck the task
    - The chore will be marked incomplete and moved back to the "to-do" tab, other tasks will remain completed until unchecked
- 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.
  - Scenario 1: Add Task When Creating Chore (**PASS**)
    - When creating a chore, type in a task into the input box then either hit the button or press the enter key to see it get added to the list
    - After the chore is created, the task will show in the chore details and when expanding it on the chores page
  - Scenario 2: Add Task When Editing Chore (**PASS**)
    - When editing a chore, type in a task into the input box then either hit the button or press the enter key to see it get added to the list
    - After the chore is saved, the task will show in the chore details and when expanding it on the chores page
  - Scenario 3: Delete Task When Editing Chore (**PASS**)
    - When editing a chore, hit the X button next to the task to remove it from the task list
    - After the chore is saved, the task will no longer be part of the chore's task list

# Sprint 2

- 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.
  - Scenario 1: Create a group (**PASS**)
    - Click the create a group button that will prompt the user to enter a name for the group
    - A group will be created where you can view members within the group
  - Scenario 2: Join a group (**PASS**)

- ■ Pressing the invite member button will prompt a username to send an invitation to the specified group
- ■ There is an mail button that allows you to view all invitations. You can accept these invitations to join the groups
  - ○ Scenario 3: Group Details (**PASS**)
    - ■ Show members within the group
- ➢ 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. (**PASS**)
  - ○ Scenario 1: Create a chore that has Daily/Weekly Recurrence
    - ■ Start app, navigate to creating a chore
    - ■ Click on recurrence drop down, select 'Daily'/'Weekly'
    - ■ Save chore to create it
  - ○ Scenario 2: Create a chore with no recurrence
    - ■ Start app, navigate to creating a chore
    - ■ Click on recurrence drop down, select 'Just Once'; Or, do nothing, 'Just Once' is the default
    - ■ Save chore to create it
  - ○ Scenario 3: Update recurrence status after creating chore
    - ■ Navigate to chores list, click on chore
    - ■ Click on recurrence drop down, select new recurrence status
    - ■ Save chore to save status, clicking on back arrow will not save status
  - ○ Scenario 4: Chores return to 'To-Do' list after recurrence window
    - ■ If chores are marked complete, they will be automatically moved back to the incomplete chores list
    - ■ If chores are not marked complete, they will stay on the to-do list
- ➢ PROFILE: As someone who loves personalization, I would like to be able to add a profile picture and customize my account.
  - ○ Scenario 1: Load Default Profile Picture (**PASS**)
    - ■ Start app, navigate to Settings tab
    - ■ Default profile picture (duck) displays
  - ○ Scenario 2: Profile Picture Screen Interactable and Change Profile Picture (**PASS**)
    - ■ Start app, navigate to Settings tab, select profile picture change button
    - ■ Able to select new photo and display updates
  - ○ Scenario 3: Change Theme and Updated Across Tabs (**PASS**)
    - ■ Start app, navigate to Settings tab, select a color palette under "Themes" section
    - ■ Theme updates in all tabs

# Sprint 3

- ➤ 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.
  - ○ Scenario 1: Default Assignment (**PASS**)
    - ■ Create a chore and select the group or edit a pre-existing group chore
    - ■ Assignment dropdown becomes visible, default assignment will be the user creating the chore
    - ■ Save the chore; all group chores are visible on the home page, whereas only group chores currently assigned to you are visible on the chore page
  - ○ Scenario 2: Change Assignment (**PASS**)
    - ■ Create a chore and select the group or edit a pre-existing group chore
    - ■ Assignment dropdown becomes visible, click on the dropdown to select any member from the group
    - ■ Save the chore, assignment reflected in home and chore page
- ➤ 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.
  - ○ Scenario 1: Disbanding Group/Leave Group (**PASS**)
    - ■ If admin, provide a disband group button that deletes the entire group. If member, provide a leave group button to leave the group
  - ○ Scenario 2: Member Editing Permission (**PASS**)
    - ■ Allow admin to choose whether members have editing or view permission within the group chores (on the manage group page)
  - ○ Scenario 3: Manage Members within Group (**PASS**)
    - ■ Admins can remove members from the group in the manage group page
- ➤ ROTATION: As a housemate who repeatedly does the same chores, I want a different housemate to get assigned to a chore after it resets. (**PASS**)
  - ○ Scenario 1: Initial Chore Assignment
    - ■ Users can assign chores to another person
    - ■ If users turn on recurring chores, rotation will be toggled automatically
    - ■ Once rotation is toggled, chores will be reassigned at the same time they recur
  - ○ Scenario 2: New Member Added or Member Removed From Group
    - ■ The user list will be updated
    - ■ Next user index is recalculated each rotation; It is dynamically assigned
    - ■ Users will be reassigned based on who is in the group
  - ○ Scenario 3: New Chore Added or Chore Removed From Group
    - ■ The chore will be removed from the list

- ■ The person originally assigned will not have an assignment for rest of rotation
- ■ Assignments will be dynamically reassigned after rotation
- ➤ 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.
  - ○ Scenario 1: Display Default Group Color (**PASS**)
    - ■ Start app, create/join a group
    - ■ Default color will display across all tabs
  - ○ Scenario 2: Assign Custom Group Color (**PASS**)
    - ■ Start app, create/join a group, select ellipsis, select theme color in pop up
    - ■ Color will show on Group tab
  - ○ Scenario 3: Auto Update Group Color Across Tabs (FAIL)
    - ■ Start app, create/join a group, select ellipsis, select theme color in pop up
    - ■ Color will show on Group tab
    - ■ To display updates in other tabs, reload
      - ● Not automatic

# Sprint 4
- ➤ ADMIN CREATE CHORES: As a group creator, I only want people with the proper permissions to be able to create and edit group chores.
  - ○ Scenario 1: Create Group Chore With Rights (**PASS**)
    - ■ Click button to add a chore, click on the group dropdown to select the group you want to add the chore too
    - ■ If you have edit rights, you will be able to select the group
  - ○ Scenario 2: Create Group Chore Without Rights (**PASS**)
    - ■ Click button to add a chore, click on the group dropdown to select the group you want to add the chore too
    - ■ If you do not have edit rights, you will not be able to select the group
  - ○ Scenario 3: Edit Group Chore With Rights (**PASS**)
    - ■ Click chore block to edit the group chore
    - ■ If you have edit rights, you will be able to change the group name, add/delete tasks, change the recurrence settings, and save/delete the chore
  - ○ Scenario 4: Edit Group Chore Without Rights (**PASS**)
    - ■ Click chore block to edit the group chore
    - ■ If you do not have edit rights, you will not be able to edit any chore details and there will be no button to save or delete the chore

- ➢ 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.
  - ○ Scenario 1: Open Preset Menu and View List (**PASS**)
    - ■ Click the button to add a chore and then click the "Use Preset" button
    - ■ User should be able to scroll through a list of saved preset chores organized in sections
  - ○ Scenario 2: Select Item from Preset Menu (**PASS**)
    - ■ Click any item from the preset chore list
    - ■ User should be sent back to the New Chore screen with the "Chore Name" and "Recurrence" fields set to that from the preset menu, and the "Group" set to the default "Personal"
  - ○ Scenario 3: Add Item from Preset Menu to Personal Chores (**PASS**)
    - ■ Clicking "Add Chore" should correctly add the preset chore with the set recurrence to the user's personal chores if no group is selected
  - ○ Scenario 4: Add Item from Preset Menu to Group Chores (**PASS**)
    - ■ Clicking "Add Chore" should correctly add the preset chore with the set recurrence to a group based on the user's selection
- ➢ 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.
  - ○ Scenario 1: Chore with "Just Once" Recurrence (**PASS**)
    - ■ Expanding the chore should show "No Due Date"
  - ○ Scenario 2: Chore with "Daily" Recurrence (**PASS**)
    - ■ Expanding the chore should show "Due: 11:59pm"
  - ○ Scenario 1: Chore with "Weekly" Recurrence (**PASS**)
    - ■ Expanding the chore should show "Due: <days until Sunday night>"
- ➢ 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). (**PASS**)
  - ○ Scenario 1: Initial Assignment of Chores
    - ■ Navigate to create chore
    - ■ When recurrence is enabled and the chore is for a group, rotation toggle appears
    - ■ Enable rotation for chores to be reassigned each cycle
      - ● Without enabling, chores will return to user it is assigned to
  - ○ Scenario 2: Updating Chore Rotation Status
    - ■ Navigate to chore list, click on chore to view chore details
    - ■ Click on toggle to enable or disable rotation status
    - ■ If recurrence is changed to 'Just Once', rotation toggle will disappear
- ➢ 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.

- ○ Scenario 1: Display Group Member Count (**PASS**)
  - ■ Underneath each group, display the total number of members
- ○ Scenario 2: Display Name instead of Username (**PASS**)
  - ■ Members displayed within their groups with their display names
- ➢ 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.
  - ○ Scenario 1: Open Assignment Dropdown (**PASS**)
    - ■ When adding or editing a chore, click on the assignment dropdown
    - ■ All the names visible are the chosen display names of each member in the group
- ➢ ADMIN EDIT GROUP NAME: As a group creator, I want to be able to edit the group name.
  - ○ Scenario 1: Admin Edit Group Name (**PASS**)
    - ■ Admin can press the edit button in the members page of their group to change the group name.

## Unit Tests (Backend Express Routes)

- ➢ Automated test scripts for some backend express routes are in "**api/tests**".
- ➢ Run "**npm test**" in the root directory to run all scripts.
- ➢ Tested with Jest and Supertest.
- ➢ Tested routes include:
  - ○ POST: create-group (**PASS**)
  - ○ POST: login (**PASS**)
  - ○ POST: register (**PASS**)
  - ○ GET:  get-group-members (**PASS**)
  - ○ GET:  get-group-size (**PASS**)
  - ○ GET:  get-is-admin (**PASS**)