Project Features List
- Users should have a personalized account and homes
  - Users will have their own accounts with a name, profile picture, email, and other extra data if need be. Users can also have set homes for various people (i.e. frat house, apartment, home with the family)
- Categories
  - Users will be able to see chores, supplies, and payments at a glance on the home page
- Assigned user tasks
  - Roommates can assign each other tasks, chores, supplies, etc.
- Calendar
  - Allow for easy organization of upcoming chores, maintenance, and payments.
- Payment Plan
  - The user will be able to access several online payment sites, such as PayPal and Venmo. This will allow the user to pay a roommate back for rent, supplies, food, etc.
  - Users can also send requests to their roommate for money.
- History
  - Users will be able to access the history of what's been completed in the house in the past for any reason - this includes payment transactions, chores completed, supplies bought, etc.
- Charts
  - Users will be able to have figures to see in detail various charts for who's done how many chores, total payment figures, etc.
- Notifications
  - Users will have the ability to receive notifications regarding the activity in their home (e.g. someone assigned them to an activity, someone paid you, etc.)

Project Requirements
- Users should have a personalized account and homes
  - Functional
    - Allows users to sign in to their own account
    - Users may have multiple homes
      - They will be able to switch between on the settings page
    - Users will be able to have
      - Profile Pictures
      - A visible full name
      - An accessible venmo ID
  - Non-Functional

- ■ Users using the app solely for themself can use a firebase anonymous account
  - ● The firebase anonymous account can be linked to a new account later
- ■ Users will be able to sign in via email or with "sign in with apple"
- ■ Users will belong to homes in the database and the frontend will just decide which one to show via user choice
- ■ Changes to a user's information should sync within 2 seconds to other devices
- ● Categories
  - ○ Payment Plan
    - ■ Functional
      - ● Users can sign into payment sites - PayPal, Venmo
      - ● See what needs to be paid - rent, groceries, etc.
      - ● Users can see monthly histories
      - ● Users can set recurring payments
      - ● Users can see payments on a calendar
      - ● Users can pay each other with ease through their venmo ids
      - ● Users can assign each other to payments
    - ■ Non-Functional
      - ● Payments should sync up between devices within 2 seconds
      - ● Payments should show a push notification to assigned users
      - ● Any payment action should be logged into the history
      - ● Any payment action should be logged into the calendar
      - ● Any payment can be setup to be recurring
- ● Assigned user tasks
  - ○ Functional
    - ■ Users can set multiple users to a task
    - ■ Users will be notified when they are assigned to a task
    - ■ Users can see their tasks they need to do under a "For You" tab or the calendar
  - ○ Non-Functional
    - ■ Items will have an assigned users category in the backend
    - ■ Push notifications and syncing will occur within 2 seconds of the item being added
- ● Calendar
  - ○ Functional
    - ■ Clearly display when tasks are created to be done.
    - ■ Show when it was created, and when it should be done by

- ■ Show relevant information to the task.
  - ● Cost, needs, etc.
- ■ Show tasks that have been done in the past, whether or not they were dont on time
- ○ Non-Functional
  - ■ The calendar should be able to switch between a monthly and weekly view
  - ■ The calendar should also be able to scroll to past events
  - ■ The calendar's events should be able to link to the added task and when clicked, will show the full item's details
- ● History
  - ○ Functional
    - ■ Users will be able to see a list showing items that were completed,
    - ■ Users will see when tasks were completed
    - ■ Users will see who completed the task and the category of the item
    - ■ The history will also show as past events in the calendar
  - ○ Non-Functional
    - ■ History should sync when an item is added or completed. It doesn't need a separate sync
    - ■ History items should show a date of completion/addition
    - ■ History items will not be created manually, they should be automatic
- ● Charts
  - ○ Functional
    - ■ Users will see charts for chores and payments
    - ■ Chore charts will show a pie chart of chores completed per person
    - ■ Chore charts will show completed chores per month over time
  - ○ Non-Functional
    - ■ Charts are updated as chores get added and completed
    - ■ Users will be assigned a color for all charts
- ● Notification
  - ○ Functional
    - ■ Users will receive notifications when new items are added
    - ■ Users will receive notifications if they are assigned to a task
    - ■ Users will receive notifications if a recurring payment/task shows again
  - ○ Non-Functional
    - ■ Notifications will be instant, but in the instance of multiple things added at the same time(within the same minute), they will be grouped into one notification (e.g. if a user adds 5 items at the same time, one notification will say that 5 items were added)

- - Notifications will go to a User's active house. If they are subscribed to multiple houses, they should NOT receive notifications for both houses

Project Plan

I've attached pictures of our development plan. We're planning on using basecamp as it is almost an all in one suite. Here's our schedule, todos, due dates, and features planned. You might have to zoom in on the pictures on the pdf

Software Dev

⊕ New list   **To-dos** ◔ 3/27   View as... ⇕

3/3 completed – Archive list

≡ 🟢 **Starting up**

Add a to-do

☑ Mess around with figma 📄 🔲 Tue, Feb 11 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.
☑ Install SourceTree 📄 🔲 Tue, Feb 11 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.
☑ Mess with ReactJS 📄 🔲 Tue, Feb 11 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

0/3 completed

≡ 🟢 **Accounts**

☐ Set Up UI for sign up 🔲 Tue, Feb 25 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

☐ Have UI successfully sign in 🔲 Tue, Feb 25 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

☐ Link Firebase to Project 🔲 Tue, Feb 25 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

Add a to-do

0/5 completed

≡ 🟢 **Categories**

☐ Link Accounts to main page 📄 🔲 Tue, Mar 10 🟢 Tim ⬤ Emma K. ⬤ Edward A.
⬤ Ciro S.

☐ Show 3 rectangles for Chores Supplies and Payments on home page 🔲 Tue, Mar 10
🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

☐ Link To Firebase 🔲 Tue, Mar 10 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

☐ Handle adding an item on a category 🔲 Tue, Mar 10 🟢 Tim ⬤ Emma K. ⬤ Edward A.
⬤ Ciro S.

☐ Handle payment handlers such as venmo or cashapp or paypal 🔲 Tue, Mar 10
🌐 Umar H. 🟢 Tim ⬤ Emma K. ⬤ Edward A. ⬤ Ciro S.

Add a to-do

Add a to-do

0/3 completed
Assigning User Tasks
☐ Have a list of users show up on the add item pages
  📅 Tue, Mar 17 - Wed, Mar 18 🟢EK Emma K. 🟢CS Ciro S.
☐ Handle user selection on the page 📅 Tue, Mar 17 🟢EK Emma K. 🟢CS Ciro S.
☐ Handle database connection 📅 Tue, Mar 17 🟢 Emma K. 🟢CS Ciro S.

Add a to-do

0/3 completed
Calendar
☐ Build calendar component for adding an item page 📅 Tue, Mar 17 🧑Umar H.
  🟢T Tim ⚫ Edward A.
☐ Build calendar component for home page 📅 Tue, Mar 17 🧑Umar H. 🟢T Tim
  ⚫ Edward A.
☐ Link calendar with database 📅 Tue, Mar 17 🧑Umar H. 🟢T Tim ⚫ Edward A.

Add a to-do

0/3 completed
History
☐ Show history of past items 📅 Tue, Mar 24 🧑Umar H. 🟢T Tim 🟢CS Ciro S.
☐ Link to DB 📅 Tue, Mar 24 🧑Umar H. 🟢T Tim 🟢CS Ciro S.
☐ show on home page 📅 Tue, Mar 24 🧑Umar H. 🟢T Tim 🟢CS Ciro S.

Add a to-do

0/4 completed
Notifications
☐ Research proper notification method (browser) 📅 Tue, Mar 24 🟢EK Emma K.
  ⚫ Edward A.
☐ Research proper notification method (email) 📅 Tue, Mar 24 🟢EK Emma K.
  ⚫ Edward A.
☐ Develop browser notification method 📅 Tue, Mar 24 🟢EK Emma K. ⚫ Edward A.

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0/3 completed
🟢 **History**

☐ Show history of past items 🗓 Tue, Mar 24 Umar H. Ⓣ Tim Ciro S.
☐ Link to DB 🗓 Tue, Mar 24 Umar H. Ⓣ Tim Ciro S.
☐ show on home page 🗓 Tue, Mar 24 Umar H. Ⓣ Tim Ciro S.

Add a to-do

0/4 completed
🟢 **Notifications**

☐ Research proper notification method (browser) 🗓 Tue, Mar 24 Emma K.
   Edward A.
☐ Research proper notification method (email) 🗓 Tue, Mar 24 Emma K.
   Edward A.
☐ Develop browser notification method 🗓 Tue, Mar 24 Emma K. Edward A.
☐ Develop opt-in email method 🗓 Tue, Mar 24 Emma K. Edward A.

Add a to-do

0/3 completed
🟢 **Charts**

☐ Build Chores charts 🗓 Tue, Apr 7 Umar H. Ⓣ Tim Emma K. Edward A.
   Ciro S.
☐ Build charts for supplies 🗓 Tue, Apr 7 Umar H. Ⓣ Tim Emma K.
   Edward A. Ciro S.
☐ Build payment charts 🗓 Tue, Apr 7 Umar H. Ⓣ Tim Emma K. Edward A.
   Ciro S.

Add a to-do

📇 1 archived to-do list

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