

# Working Prototype Known Problems Report

Product Name: Homie  
Team Name: Homies for Life  
Date: 12/2/18

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## Incomplete Functions

A list of functions that we tried to implement, but are not working correctly.

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### 1. CI tools (CircleCI)

#### - Issue 1

- a. Cause of failure: Tests run, but CI timesout with error “Too long with no output (exceeded 10m)”
- b. Location of fault: CircleCI remote container
- c. Possible action for removal of fault: Make timeout limit longer/try running it in the same container locally/try running with yarn instead of npm

#### - Issue 2

- d. Cause of failure: Tests fail with error message ‘Requires Babel “^7.0.0-1,” but was loaded with 6.23.3 even though Babel v7 has been installed locally and is specified in package.json
- e. Location of fault: CircleCI remote container
- f. Possible action for removal of fault: Clear CircleCI cache/modify package.json/modify ./circleci/config.yml

### 2. Unit Tests

- a. Cause of failure: Jest unit tests do not run when the module contains calls to firebase. Need to mock firebase but we did not have enough time to learn it
- b. Location of fault: ./\_\_tests\_\_/{Unit tests}.js
- c. Possible action for removal of fault: Mock firebase and firebase functions in test files

### 3. “Clear List” button on the groceries screen

- a. Cause of failure: When one user clears the groceries list, other users’ screens do not update if multiple users are on the groceries screen at the same time
- b. Location of fault: Unknown
- c. Possible action for removal of fault: Instead of deleting the entire house key, we can delete each item key.

### 4. UI Design

- a. Cause of failure: The styling of the app is not complete– the color scheme of the app is not what we wanted for our final product and the chores screen does not display a chore wheel.

- b. Location of fault: Lack of time
    - c. Possible action for removal of fault: Change the color scheme to dark brown and gold, and changed the layout of the chores from cards to a wheel.
  - 5. About Screen and Profile Screen under Settings
    - a. Cause of failure: The about screen for information about the app and the development team and the profile screen for information about the user were not complete.
    - b. Location of fault: Lack of time
    - c. Possible action for removal of fault: Add information about the app and the development team to the About Screen, and fetch/display data about the user in the Profile Screen.
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## Nonexistent Functions

A list of functions that we wanted to implement, but we were unable to implement due to lack of time.

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- 1. Notification System
  - a. Cause of failure: Our app cannot do the following functions—
    - i. Display a dashboard of notifications from groceries, payments, and chores in the homescreen
    - ii. Have a notification sent to the person who is invited
    - iii. Allow the recipient to join a house with notification (without knowing a house id/sender's email)
    - iv. Have a notification sent to everyone in the house when changes are made in the chores/grocery list
    - v. Have a notification button that sends everyone a note in the house when they are going to the grocery store
    - vi. Have a notification button that sends everyone a note in the house when they have bought all items on the supply page
  - b. Location of fault: Lack of time
  - c. Possible action for removal of fault: Implement a notification system if there was additional time available.
- 2. In-app payment
  - a. Cause of failure: Our app cannot streamline payments in App (apple pay/venmo) under the payments screen for sending money for utilities, rent, and groceries amongst housemates.
  - b. Location of fault: Lack of time
  - c. Possible action for removal of fault: Implement apple pay by importing the "react-native-payments" library if there was additional time available.

3. Initially assigning people to a chore
  - a. Cause of failure: Our app cannot initially assign someone to a chore when the chore is being created.
  - b. Location of fault: Lack of time
  - c. Possible action for removal of fault: Implement a selector under the add chore screen in order to select a housemate for that chore if there was additional time available.