

System and Unit Test Report

Housemates Application, Dev Team, 5/28/2022

System Test

Backend - Unit Tests

User Unit Tests

Equivalence Class	Input	Expected Output	Actual Output
API: /update_user Scenario: User wants to update their profile. Sprint: 3 Story: 13	{ "email": "testing@gmail.com", "first_name": "Test1", "last_name": "Test1", "password": "password", "mobile_number": "1234567890" }	"update successful"	"update successful"
API: /signup Scenario: User wants to create a new account. Sprint: 2 Story: 2	{ "email": "testing1@gmail.com", "first_name": "Test1", "last_name": "Test1", "password": "password", "mobile_number": "1234567890" }	"signup successful"	"signup Successful"
API: /login Scenario: User wants to login to their account Sprint: 2 Story: 2	{ "email": "testing1@gmail.com", "password": "password" }	"login successful"	"login successful"
API: /get_user	email = testing1@gmail.com	"get_user successful"	"get_user successful"

Scenario: User wants to view their account information. Sprint: 2 Story: 7			
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House Unit Tests

Equivalence Class	Input	Expected Output	Actual Output
API: /get_house_members Scenario: User wants to view members in their house group Sprint: 2 Story: 2	house_code = DBSGALUC	"successful query"	"successful query"
API: /create_house Scenario: User wants to create a new house group Sprint: 4 Story: 12	{ "user_id": "61" }	"successful query"	"successful query"
API: /join_house Scenario: User wants to join an existing house group Sprint: 4 Story: 12	{ "user_id": "61", "house_code": "DBSGALUC" }	"successful join house"	"successful join house"

API: /leave_house Scenario: User wants to leave their current house group Sprint: 4 Story: 12	<pre>{ "user_id": "61" }</pre>	"successful leave house"	"successful leave house"
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Chores Unit Tests

Equivalence Class	Input	Expected Output	Actual Output
API: /create_chore Scenario: User wants to create a chore Sprint: 2 Story: 6	<pre>{ "name": "New Test Create Chore", "desc": "Just testing", "due_date": "2022-05-31 00:08:48", "house_code": "DBSGALUC", "assignees": [1,2,3,4] }</pre>	"create chore successful"	"create chore successful"
API: /get_assignees Scenario: User wants to see what users are assigned to the chore Sprint: 2 Story: 2	chore_id = 75	"successful query"	"successful query"
API: /get_chores_by_house_code Scenario: User wants to see all chores that exist under the house group Sprint: 2	house_code = DBSGALUC	"successful query"	"successful query"

Story: 6			
API: /get_chores_by_user Scenario: User wants to see what chores they are assigned to Sprint: 2 Story: 6	user_id = 1	"" (for description)	""
API: /get_chores Scenario: User wants to retrieve all chores along with their assigned users Sprint: 2 Story: 6	house_code = DBSGALUC	"successful query"	"successful query"
API: /edit_chore Scenario: User wants to edit a chore's information and assignees Sprint: 3 Story: 8	<pre>{ "chore_id": 76, "name": "Mop the floor!", "due_date": "2022-05-25 10:27:00", "description": "Mop the kitchen floors", "house_code": "DBSGALUC", "assignees": [55, 56, 57] }</pre>	"successfully updated chore"	"successfully updated chore"
API: /assign_chore Scenario: User wants to assign themselves to a chore Sprint: 3 Story: 8	<pre>{ "user_id": 79, "chore_id": 77, "house_code": "DBSGALUC" }</pre>	"chore assignment successful"	"chore assignment successful"
API:	{	"chore	"chore

/unassign_chore Scenario: User wants to unassign themselves from a chore Sprint: 3 Story: 8	<pre>"user_id":79, "chore_id":77 }</pre>	unassignment successful	unassignment successful
API: /delete_chore Scenario: User wants to delete a chore Sprint: 4 Story: 9	<pre>{ "chore_id": 77 }</pre>	"success" (for status)	"success"

House Rule Unit Tests

Equivalence Class	Input	Expected Output	Actual Output
API: /get_house_rules Scenario: User wants to view all house rules in their house group	house_code="AKZXCOPQ"	"successful query"	"successful query"
API: /create_house_rules Scenario: User wants to create a house rule Sprint: 2 Story: 5	<pre>{ "title":"Randomized Test ", "description":"Clean the dishes", "house_code":"AKZXCOPQ", "voted_num":"0", "valid": "0" }</pre>	"success" (for status)	"success"
API: /delete_house_rule Scenario: User wants to delete a house rule from the house group	<pre>{ "house_rule_id": "38" }</pre>	"success" (for status)	"success"

Sprint: 2 Story: 5			
API: /get_approved_house_rules Scenario: User wants to find out which house rules have been approved by housemates. Sprint: 4 Story: 18	house_code = AKZXCOPQ	“successful query”	“successful query”
API: /get_not_approved_house_rules Scenario: User wants to find out which house rules have not been approved by housemates. Sprint: 4 Story: 18	house_code = AKZXCOPQ	“successful query”	“successful query”
API: /get_unvoted_house_rules Scenario: Check which user hasn't voted for which house rules yet Sprint: 4 Story: 17	user_id = 78 house_code = AKZXCOPQ	“successful query”	“successful query”
API: /update_house_rule_voted_num Scenario: User votes	user_id = 56 house_code = AKZXCOPQ	“User has already voted”	“User has already voted”

multiple times on the same house_rule			
Sprint: 4			
Story: 16			

Frontend - System Tests

NOTE: On all scenario, if the user is logged from any previous login, logout by navigating to profile page from the tab bar navigation at the bottom. Then press on sign out.

Sprint 1:

Login and View Profile

User story 1 from Sprint 1: As a housemate, I want to be able to create and access my own profile to identify myself with other people

Scenario:

1. Start Housemates app
2. From login page, tap on Create Account
3. On "What's Your Name" page, fill in the following
 - First Name = <Timmy>
 - Last Name = <Noh>
 - Press "Next" to navigate to the next screen
4. On "Email & Phone Number" page, fill in the following
 - Email = <timmy.noh@gmail.com>
 - Phone = <4151231234>
 - Press "Next" to navigate to the next screen
5. On "Create a Password" page, fill in the following
 - Password = <password>
 - Press "Done" to navigate to the next screen
6. User should successfully create account and is now on "Your House" where Add a House button is in the center
7. Navigate to "Profile" screen on the bottom tab navigation bar
 - User should see the main profile screen with informations (their profile picture, firstname, lastname, email, phone, and censored password) and it should match the information when creating profile.

Sprint 2:

Signup and View Profile

User story 2 from Sprint 2: As a housemate, I want to be able to signup and login to my Housemates application across accounts and sessions, so that I can securely and persistently access my housemates information

User story 3 from Sprint 3: As a housemate, I want to be able to easily navigate through the application, so that I can easily access all the information in my application

User story 4 front Sprint 2: As a housemate, I want to be able to view my profile and app settings so that I can see things such as my password, email, notifications...

Scenario (After running scenario from Sprint 1):

1. Start Housemates app
2. From login page login with
 - Email = <timmy.noh@gmail.com>
 - Password = <password>
 - Press "Sign In"
 - User should see "Your Home" screen
3. Navigate to "Profile" screen on the bottom tab navigation bar
4. User should see their information in the following
 - First Name = <Timmy>
 - Last Name = <Noh>
 - Email = <timmy.noh@gmail.com>
 - Phone = <(415) 123-1234>
 - Password = censored
5. Press Sign Out; User should be sent to login page
6. From login page login with
 - Email = <timmy.noh@gmail.com>
 - Password = <password>
 - Press "Sign In"
 - User should successfully login and is navigated to the "your house" page

View and Add House rules

User story 5 from Sprint 2: As a housemate, I want to be able to view and add houserules to my house group, so that all housemates can have better understanding of the expectations around our living spaces

Scenario:

1. Start Housemates app
2. From login page login with
 - Email = <test@ucsc.edu>
 - Password = <password>
 - Press "Sign In"
 - User should see "Your Home" screen (contains Your Upcoming Chores and House rules")
 - User should see a list of House rules that are approved and rules that the user have not voted in the view
3. Press the add button within the House Rules View
4. User should see a half sheet popup with "Add a Title" and "Add a Description Textfield; fill in the textfield as follow and do the following
 - Title = <Lock the door>
 - Description = <We don't want robbery.>
 - Press Add on the top right corner of the half sheet

- The half sheet should dismiss and the rule should be added to the table in House rules
- 5. Scroll down to look for the rule with the description and title. Since it is a unapproved rule, it should also come with a check and xmark box.

View and Add Chores

User story 6 from Sprint 2: As a housemate, I want to be able to view and add chores to my house group, so that all housemates can coordinate and work together around the house

Scenario:

1. Start Housemates app
2. From login page login with
 - Email = <test@ucsc.edu>
 - Password = <password>
 - Press "Sign In"
 - User should see "Your Home" screen (contains Your Upcoming Chores and House rules")
 - User should see a list of chores under Your Upcoming Chores
3. Press the right arrow next to Your Upcoming Chores
 - The app should navigate to all chores page
 - User should see the page containing Current Chores and Unassigned Chores
4. Press the add button on the top right corner
 - A full sheet should pop up for the user to add a new chore
5. Type the following and do the following to add a chore
 - Title = <Grocery Run>
 - Description =<- egg{newline}- bacon{newline}- avocado>
 - Press on the date/time
 - i. User should see a time picker pop up
 - ii. Choose Fri Jun 10 12 00 PM
 - Press add on the top right; the add chore view should dismiss; user should see all chores page again
6. Under Unassigned Chores, the chore will appear there because there is no assignees.
7. Scroll down to find the chore under Unassigned Chores (the list is sorted by date/time)
8. User should see the chore with its title, a portion of the description, and also the date.
9. Click on the chore
 - User should be able to see a half sheet pop up with the chores detail that was created early.
 - Slide the half sheet up to expand and see the description in a better view.

View Housemates

User story 7 from Sprint 2: As a housemate, I want to be able to view members in my house group, so that I can acknowledge and contact my housemates

Scenario:

1. Start Housemates app
2. From login page login with
 - Email = <test@ucsc.edu>
 - Password = <password>

- Press “Sign In”
- User should see “Your Home” screen (contains Your Upcoming Chores and House rules”)
- User should also see an icon with 2 person on the top right
- 3. Press the 2 person icon
 - User should see a side bar with informations about the house (house code, members of who is part of the house and leave house button)
 - The list of members contain the name, phone and email for each member

Sprint 3:

Assign, Unassign, Edit chore

User story 8 from Sprint 3: As a housemate, I want to be able to assign, unassign, and edit a chore, so that I can edit chores and track what chores I must complete

Scenario (After running View and Add Chores scenario from Sprint 2) :

1. Start Housemates app
2. From login page login with
 - Email = <test@ucsc.edu>
 - Password = <password>
 - Press “Sign In”
 - User should see “Your Home” screen (contains Your Upcoming Chores and House rules”)
 - User should see a list of chores under Your Upcoming Chores
3. Press the right arrow next to Your Upcoming Chores
 - The app should navigate to all chores page
 - User should see the page containing Current Chores and Unassigned Chores
4. Under Unassigned Chores find the chore
 - Title = <Grocery Run>
 - Description = <-egg> (cut off because there is an enter, only displays one line of description)
 - Due date = <June 10, 2022 at 12:00 PM>
 - Select the chore by tapping on it
5. User should be able to see a half sheet pop up with the chores detail that was created early.
 - Slide the half sheet up to expand and see the description in a better view.
6. Press the edit button on the bottom of the sheet
7. User should see another sheet pop up to edit the chore; edit the following
 - Add <{newline}- milk> to the description <- egg{newline}- bacon{newline}- avocado>
 - i. Should become <- egg{newline}- bacon{newline}- avocado{newline}- milk>
 - Tap on the date/time
 - i. User should see a time picker pop up
 - ii. Change time from Fri Jun 10 12 00 PM to Fri Jun 10 2 00 PM
 - iii. Tap on date/time to hide the time picker
 - Tap on Assign
 - i. User should see a list of members

- ii. Select <Daniel Carrera>
- Tap on Done at the top right to finish editing chore
- The user should now see all chores page containing Current Chores and Unassigned Chores
- The chore should move from Unassigned Chores to Current Chores (Assigned chores)
- Scroll down to find chore in Current chores (should be sorted in date/time order)
- Tap on the chore that was edited to see the edited information as follows
 - i. Title = <Grocery Run> (Remains the same)
 - ii. Assigned To = <Daniel Carrera>
 - iii. Due By = <Friday, June 10, 2022 02:00 PM>
 - iv. Description = <- egg{newline}- bacon{newline}- avocado{newline}- milk>
- 8. Press the edit button on the bottom of the sheet
- 9. User should see another sheet pop up to edit the chore; edit the following
 - Tap on Assign
 - i. User should see a list of members
 - ii. Unselect <Daniel Carrera>
 - Tap on Done at the top right to finish editing chore
 - The user should now see all chores page containing Current Chores and Unassigned Chores
 - The chore should move from Current Chores to Unassigned Chores
- 10. Scroll down to find chore in Unassigned chores (should be sorted in date/time order)
- 11. Tap on the chore that was edited to see the edited information as follows
 - Title = <Grocery Run> (Remains the same)
 - Assigned To = <>
 - Due By = <Friday, June 10, 2022 02:00 PM> (remains the same)
 - Description = <- egg{newline}- bacon{newline}- avocado{newline}- milk> (remains the same)

Stay Login

User story 10 from Sprint 3: As a housemate, I want to persistently signup and login to my application, so that my information can be saved across multiple sessions

Scenario:

1. Start Housemates app
2. From login page login with
 - Email = <test@ucsc.edu>
 - Password = <password>
 - Press "Sign In"
 - User should see "Your Home" screen (contains Your Upcoming Chores and House rules")
3. Restart the app by
 - swiping up from the screen's bottom and hold.
 - User should see all open apps and their preview. Swipe horizontally to find the Housemates app to close.
 - Swipe up on the app card to force quit
4. Start the app again

- The user should see that the app loads “Your Home” screen
- 5. Navigate to “Profile” screen on the bottom tab navigation bar
 - User should see the main profile screen with informations (their profile picture, firstname, lastname, email, phone, and censored password) and also a signout button
 - This indicates that the user stayed login

Edit profile

User story 13 from Sprint 3: As a housemate, I want to persistently edit my profile, so that I can change my personal information across accounts and sessions

Scenario (After running scenario from Sprint 1):

1. Start Housemates app
2. From login page login with
 - a. Email = <timmy.noh@gmail.com>
 - b. Password = <password>
 - c. Press “Sign In”
 - d. User should see “Your Home” screen
3. Navigate to “Profile” screen on the bottom tab navigation bar
 - a. User should see the main profile screen with informations (their profile picture, firstname, lastname, email, phone, and censored password) and it should match the information when creating profile.
4. Long Gesture Hold the profile picture circle
 - a. User should see a slide up view on the bottom
 - b. Press choose from library
 - c. User should see the phone’s camera library
 - d. Select the Sea Otter photo; on the bottom right, press Choose
 - e. User should see the main profile screen “Profile”, and see that the profile picture is changed to the Sea Otter photo
5. Press on the pencil on the First Name row
 - a. User should see a half sheet titled “Edit First Name”
 - b. On the First Name Text Field type “Jimmy”
 - c. Press Done on the top right of the half sheet
 - d. User should see that their first name is changed to “Jimmy”
6. Press on the pencil on the Last Name row
 - a. User should see a half sheet titled “Edit Last Name”
 - b. On the Last Name Text Field type “Roh”
 - c. Press Done on the top right of the half sheet
 - d. User should see that their last name is changed to “Roh”
7. Press on the pencil on the Email row
 - a. User should see a half sheet titled “Edit Email”
 - b. On the Email Text Field type “jimmy.roh@gmail.com”
 - c. Press Done on the top right of the half sheet
 - d. User should see that their email is changed to “jimmy.roh@gmail.com”
8. Press on the pencil on the Phone row
 - a. User should see a half sheet titled “Edit Phone Number”
 - b. On the Phone Number Text Field type “6503214321”
 - c. Press Done on the top right of the half sheet
 - d. User should see that their phone is changed to “(650) 321-4321”

9. Press on the pencil on the password row
 - a. User should see a half sheet titled "Edit Password"
 - b. On the Current Password Text Field type "password"
 - c. On the New Password Text Field type "newpassword"
 - d. Press Done on the top right of the half sheet
 - e. User can't see the updated password
10. Press Sign Out; User should be sent to login page
11. From login page login with
 - a. Email = <timmy.noh@gmail.com>
 - b. Password = <password>
 - c. Press "Sign In"
 - d. User should see a pop up notification indicating "Incorrect Email or Password"
12. Now Login with the correct email and password
 - a. Email = <jimmy.roh@gmail.com>
 - b. Password = <newpassword>
 - c. Press "Sign In"
 - d. User should successfully login and is navigated to the "your house" page

Sprint 4:

Create, Join, Leave House

User story 12 from Sprint 4: As a housemate, I want to be able create, join, and leave a house group, so that I manage a homegroup, be part of a house group, and leave a house group when I want

Scenario (After running scenario Edit profile from Sprint 3):

1. Start Housemates app
2. From login page login with
 - a. Email = <jimmy.roh@gmail.com>
 - b. Password = <newpassword>
 - c. Press "Sign In"
 - d. User is now on "Your House" where Add a House button is in the center (because the user has no house)
3. Tap on Add a House
 - a. User should see a full sheet pull up asking the user to add a house
4. Tap on Create a New House
 - a. The screen should navigate to Your Home again but now user can see Your Upcoming Chores and House Rules
 - b. User should also see an icon with 2 person on the top right
5. Press the 2 person icon
 - a. User should see a side bar with informations about the house (house code, members of who is part of the house and leave house button)
 - b. The list of members contain the name, phone and email for each member
 - c. The user should only see themselves as the only member of the house
6. Tap Leave house at the bottom
 - a. The screen should now revert back to "Your House" where Add a House button is in the center (because the user has no house)
7. Tap on Create a New House

- a. User should see a full sheet pull up asking the user to add a house
8. In the text field that prompts the user to enter a house code type the following
 - a. House code = <AKZXCOPQ> (an existing house in the database)
9. Press Join House at the top right of the sheet
 - a. The screen should navigate back to Your Home with Your Upcoming CHores and House Rule board
10. Press the 2 person icon at the top right
 - a. User should see a side bar with informations about the house (house code, members of who is part of the house and leave house button)
 - b. The list of members contain the name, phone and email for each member
 - c. The user should now see multiple members that exist in the house

Home and Delete from Your Current Chores

User story 9 from Sprint 4: As a housemate, I want to be able to delete chores, so that we can clear chores that have already been completed

User story 14 from Sprint 4: As a housemate, I want to persistently view and interact with the home page, so that I can view the chores and house rules across accounts and sessions

Scenario:

1. Start Housemates app
2. From login page login with
 - a. Email = <test@ucsc.edu>
 - b. Password = <password>
 - c. Press "Sign In"
 - d. User should see "Your Home" screen (contains Your Upcoming Chores and House rules")
 - e. User should see a list of chores under Your Upcoming Chores
3. Press the right arrow next to Your Upcoming Chores
 - a. The app should navigate to all chores page
 - b. User should see the page containing Current Chores and Unassigned Chores
4. Press the add button on the top right corner
 - a. A full sheet should pop up for the user to add a new chore
5. Type the following and do the following to add a chore
 - a. Title = <Grocery Run>
 - b. Description =<- egg{newline}- bacon{newline}- avocado>
 - c. Press on the date/time
 - i. User should see a time picker pop up
 - ii. Choose Fri Jun 10 12 00 PM
 - iii. Tap on date/time to hide the time picker
 - d. Tap on Assign
 - i. User should see a list of members
 - ii. Select <Daniel Carrera>
 - e. Press add on the top right; the add chore view should dismiss; user should see all chores page again
 - f. Press < Your Home to navigate back to Your Home screen
 - i. The user should see under Your Upcoming Chore, the chore that was

- created
- g. Select the chore that chore we created
 - i. A half sheet should pop up with the information matching the chores that the user created earlier
- h. Tap on the check box on the top right of the sheet to finish the chore.
 - i. The chore half sheet should dismiss
- i. The chore is now removed from the list of chores and should no longer be under Your Upcoming Chores

Vote Rule, View Unvoted Rules (Unapproved), & Approved Rules

User story 14 from Sprint 4: As a housemate, I want to persistently view and interact with the home page, so that I can view the chores and house rules across accounts and sessions

User story 16 from Sprint 4: As a housemate, I want to be able to vote for which house rule I want implemented so that I can have a say on the foundations that my housemates should follow

User story 17 from Sprint 4: As a housemate, I want to be able to see all the house rules I haven't voted on, so that I can have a chance to vote on every single house rule

User story 18 from Sprint 4: As a housemate, I want to be able to see the house rules that have been approved and haven't been approved, so that I can see which house rules the majority of my housemates

Scenario (After running scenario View and Add House rules from Sprint 2):

1. Start Housemates app
2. From login page login with
 - a. Email = <test@ucsc.edu>
 - b. Password = <password>
 - c. Press "Sign In"
 - d. User should see "Your Home" screen (contains Your Upcoming Chores and House rules")
 - e. User should see a list of House rules that are approved and rules that the user have not voted in the view
3. Scroll down to look for the rule titled <Lock the door>. Since it is a unapproved rule, it should also come with a check and xmark box.
4. Tap on check to indicate on agree rule
 - a. The user should see that the rule disappear and is waiting for other housemates to vote for the rule to become approved.
 - i. If the user's vote is the last vote for the rule to become valid (more than half of house agrees on the rule) the rule should appear as approved in the list (without the check and x mark)
 - ii. Otherwise it would never appear