



CS 307
Sprint 3 Test Cases

Team 7:
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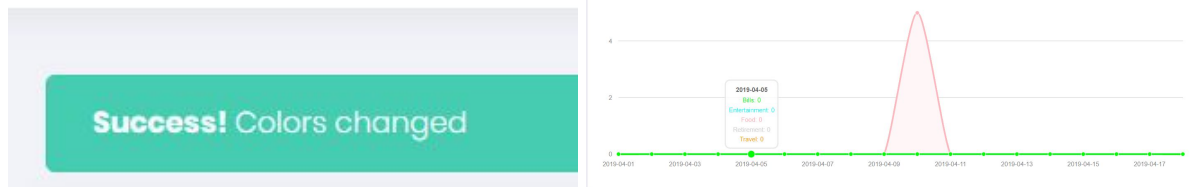
User Story #1

As a user, I would like to be able to change the color of different spending categories to my choosing.

- **Test Description:** Ensure that the user is able to change colors for their category graphs.
- **Steps:** Navigate to the settings page, select the colors you would like to have on the graph, and hit submit. Navigate to a budget page to see the new colors.
- **Result: PASS**



Settings



User Story #2

As a user, I would like to be able to track what day of the week I buy certain items most often.

- **Test Description:** Ensure that the backend is able to track how many items of the same name were purchased on each day and the frontend displays these values correctly.
- **Steps:** Enter expenses for multiple days, some with the same name, and navigate to the expense-analytics page. Do not enter expenses for some days to ensure that expenses do not show up on these days.
- **Result:** PASS

Most Frequent Expenses by Day		
Day	Most Frequent Expense	Occurrences
Sunday	-	-
Monday	-	-
Tuesday	-	-
Wednesday	burger	1
Thursday	monthly investment	2
Friday	-	-
Saturday	-	-

User Story #3

As a user, I would like to be able to remove or edit expenses.

- **Test Description:** User can edit fields of particular expenses
- **Steps:** User navigates to expenses page for budget. User can edit fields of expenses including expense name and category. User clicks update expense
- **Result:** PASS

Expense Name

old expense name

Success! Successfully updated.

Expense Name

new expense name

Expense Price

33

Expense Price

33

Expense Date

mm/dd/yyyy

Expense Date

mm/dd/yyyy

Expense Review

old review

Expense Review

new review

Expense Category

Food

Expense Category

Food

- **Test Description:** User can delete existing expense
- **Steps:** User navigates to expenses page for budget. User clicks delete expense.
- **Result:** PASS

Expenses

Name	Price	Recurring
new expense name	33	No

Before Delete

Expense Category

Food

Return to Categories

Delete Expense

Clicked Delete

Success! Expense deleted.

Expenses

Name	Price	Recurring	Date
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No records found

After Delete

User Story #4

As a user, I would like to be able to view detailed analytics on the expenses that cost me the most.

- **Test Description:** Ensure that when a limit is not entered, the values of the prices for items with the same name are summed and the highest cost expense (by name) is displayed, followed by the next four expenses.
- **Steps:** Enter some expenses and navigate to the expense-analytics page.
- **Result:** PASS

Top 5 Expenses by Cost	
Expense Name	Total Spent
monthly investment	445.61
chicago trip	187.24
burger	4.99
wendy's four for \$4	4.28
-	-

- **Test Description:** Ensure that entering a limit lower than that of the highest expense reduces the number of expenses shown on the top five list or displays more lower-cost expenses
- **Steps:** Enter a limit on the expense-analytics page form and hit submit
- **Result:** PASS

Limit Top 5 Expenses by Entering Number

Limit



Save Limit

Delete

Top 5 Expenses by Cost

Expense Name

Total Spent

chicago trip

187.24

burger

4.99

wendy's four for \$4

4.28

-

-

-

-

- **Test Description:** Ensure that the delete removes the limit and allows all expenses, regardless of price, to be displayed on the top 5 list.
- **Steps:** Hit the delete button on the expense-analytics limit form
- **Result:** PASS

Top 5 Expenses by Cost

Expense Name	Total Spent
monthly investment	445.61
chicago trip	187.24
burger	4.99
wendy's four for \$4	4.28
-	-

User Story #5

As a user, I would like to be able to set reviews for bought items for future reference.

- **Test Description:** When adding an expense the user must enter a review/description of the expense that's being added.
- **Steps:** Go to dashboard page and add expense and fill in review field. Check Database to see that review was updated properly.
- **Result:** PASS

Expense Name

Coffee

Expense Price

3

Expense Review

Not Bad. Need to try other flavor

Add Expense

993d56b8-5c77-4fc5-a327-cec3285210c4	2019-04-11 16:50:37	Not Bad. Need to try other flavor
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Review Added in Database

- **Test Description:** Reviews for expenses can be viewed later and edited
- **Steps:** Going to the category analytics page and clicking “view” one of the categories presented. The user can edit the the review field for an expense. On the page refresh, the user will be presented with the updated review.
- **Result:** PASS

Expense Name

Coffee

Expense Price

3

Expense Review

Not Bad. Need to try other flavor

Add Expense

Expense Review

The original flavor was the best flavor

Expense Category

Food

Return to Categories

Delete Expense

Update Expense

Before update

Updated Review

Success! Successfully updated.

Information for Expense: 'Coffee'

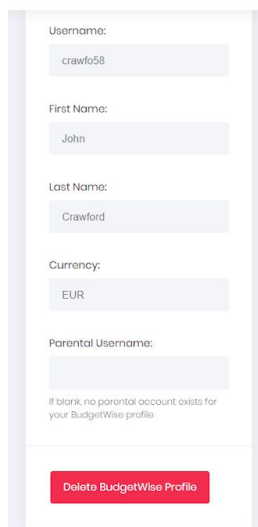
Update Success

User Story #6

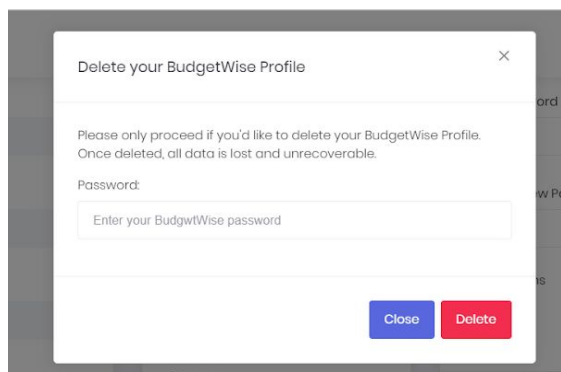
As a user, I would like to be able to delete my account.

- **Test Description:** Selecting the “Delete BudgetWise Profile” button will prompt a pop up box to delete profile.
- **Steps:** Click the settings button on the left side toolbar. Hit the “Delete BudgetWise Profile” button underneath the BudgetWise Profile title.
- **Result:** PASS

Settings

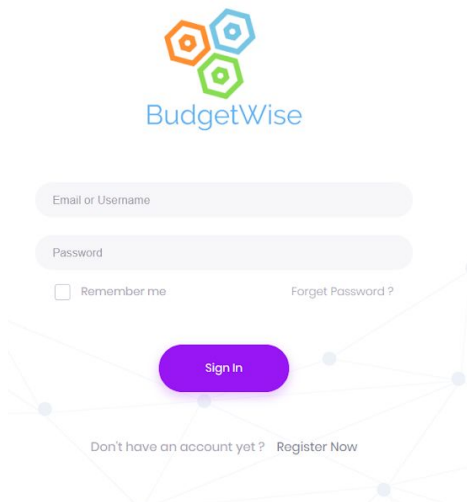
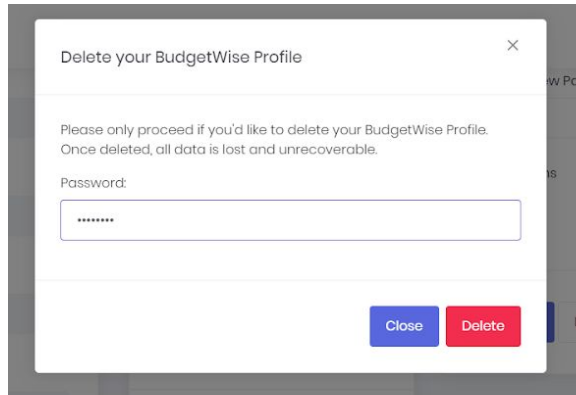


The screenshot shows the 'Settings' page of the BudgetWise application. It contains several input fields for user information: Username (filled with 'crawfo58'), First Name (filled with 'John'), Last Name (filled with 'Crawford'), Currency (filled with 'EUR'), and Parental Username (empty). Below these fields is a red button labeled 'Delete BudgetWise Profile'. A small note at the bottom of the settings section states: 'If blank, no parental account exists for your BudgetWise profile'.



The screenshot shows a confirmation dialog box titled 'Delete your BudgetWise Profile'. The dialog contains the following text: 'Please only proceed if you'd like to delete your BudgetWise Profile. Once deleted, all data is lost and unrecoverable.' Below this is a 'Password:' label and a text input field with the placeholder 'Enter your BudgetWise password'. At the bottom right of the dialog are two buttons: a blue 'Close' button and a red 'Delete' button.

- **Test Description:** Entering in your BudgetWise password and hitting the Delete button will delete your profile and bring you back to the login page.
- **Steps:** Type in the corresponding password to your BudgetWise profile. Hit the delete button. You will be directed back to the login screen.
- **Result:** PASS



- **Test Description:** Deleting a profile will remove the user's data from the database.
- **Steps:** Go through the above steps to delete your profile. Type in your password and hit the delete button in the pop up box. The data is removed from the database.
- **Result:** PASS

+ Options							
		id	email	username	password	first_name	last_name
<input type="checkbox"/>		3f24a3c-d769-49cc-ab4d-0bc1759167b6	patil37@purdue.edu	patil37	\$2a\$10\$S.YBYMWINClz5b4OdJZgeofltx75VNAtoLuC56DDQ...	Mayur	Patil
<input type="checkbox"/>		5401c628-7535-4205-9130-c55411f4bfc8	hdshdh@gmail.com	drew	\$2a\$10\$Gacpj1CLxc//43WlHo84S4uMy3mzdVtgVlUgkzwIKjTj...	drew	hendrix
<input type="checkbox"/>		790298e6-f753-41f2-9ac8-1c7ca4c6cfe3	harissohai55@gmail.com	sohaih	\$2a\$10\$INN3L9GDavrkYn5vv3ZeuWZgiz4P/1/1Jxe8Emgy2...	Haris	Sohail
<input type="checkbox"/>		821a2024-958c-426f-9429-0e3c3c92c0dc	crawf658@purdue.edu	crawf658	\$2a\$10\$inB6GohwewGj4TrtBJ0BVoNuUEzRLISihHwZXiWVn7C...	John	Crawford
<input type="checkbox"/>		842b7021-dc50-4e7a-8669-97711a8c75da	jar@jar.com	jar	\$2a\$10\$R1UrFFYMOi5UnGq91W/M2uYEA9wycO7X2eZOKs3aTVg...	Jacob	Riggs
<input type="checkbox"/>		993d56b8-5c77-4fc5-a327-cec3285210c4	hello@gg.com	hello	\$2a\$10\$jfHnJ3sdM3W3wcJHEZEd dKHuCM2Ht1AkjoC7FqmKz...	hello	hello
<input type="checkbox"/>		e6069de6-9ec2-4a7f-b298-fab671d090f3	riggs4@purdue.edu	Jacob	\$2a\$10\$SxLfuWJHa2QVSr3b1kqYfeNAWythxGK0Lon7sU3pho...	Jacob	Riggs

☐ Check all With selected: Edit Copy Delete Export

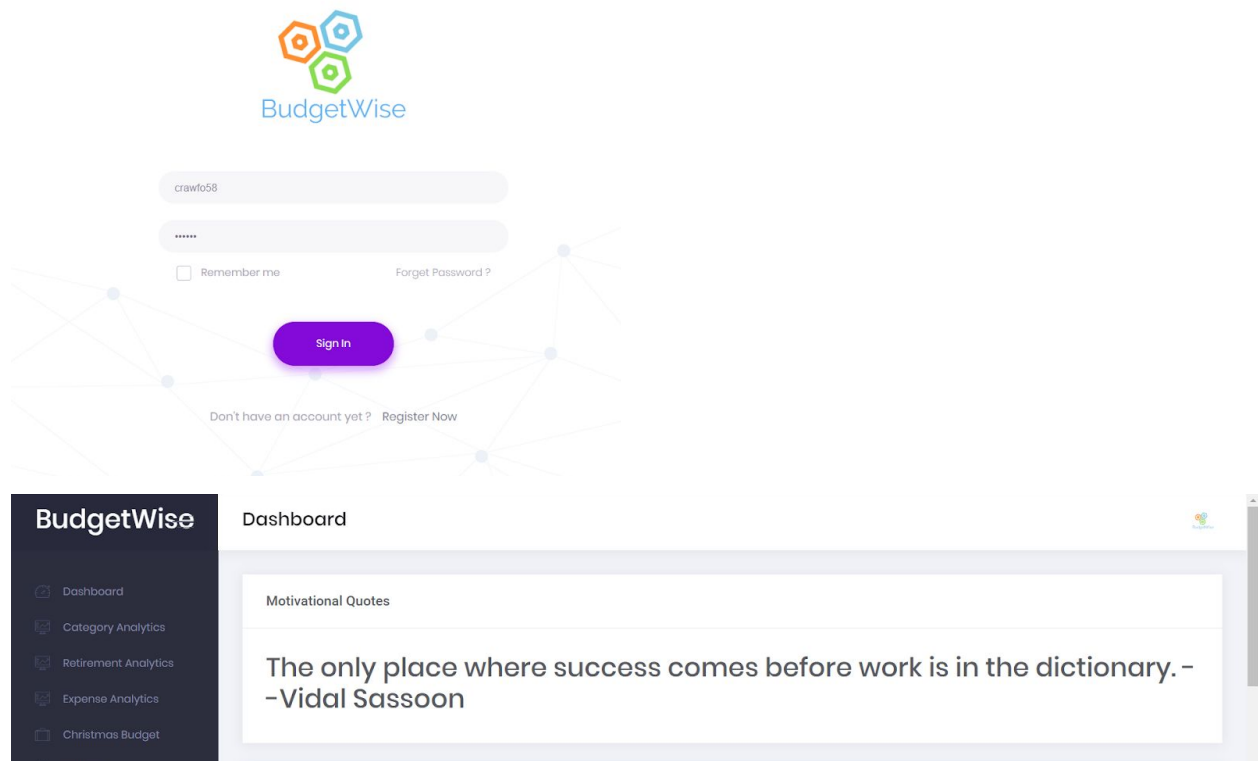
+ Options							
		id	email	username	password	first_name	last_name
<input type="checkbox"/>		3f24a3c-d769-49cc-ab4d-0bc1759167b6	patil37@purdue.edu	patil37	\$2a\$10\$S.YBYMWINClz5b4OdJZgeofltx75VNAtoLuC56DDQ...	Mayur	Patil
<input type="checkbox"/>		5401c628-7535-4205-9130-c55411f4bfc8	hdshdh@gmail.com	drew	\$2a\$10\$Gacpj1CLxc//43WlHo84S4uMy3mzdVtgVlUgkzwIKjTj...	drew	hendrix
<input type="checkbox"/>		790298e6-f753-41f2-9ac8-1c7ca4c6cfe3	harissohai55@gmail.com	sohaih	\$2a\$10\$INN3L9GDavrkYn5vv3ZeuWZgiz4P/1/1Jxe8Emgy2...	Haris	Sohail
<input type="checkbox"/>		842b7021-dc50-4e7a-8669-97711a8c75da	jar@jar.com	jar	\$2a\$10\$R1UrFFYMOi5UnGq91W/M2uYEA9wycO7X2eZOKs3aTVg...	Jacob	Riggs
<input type="checkbox"/>		993d56b8-5c77-4fc5-a327-cec3285210c4	hello@gg.com	hello	\$2a\$10\$jfHnJ3sdM3W3wcJHEZEd dKHuCM2Ht1AkjoC7FqmKz...	hello	hello
<input type="checkbox"/>		e6069de6-9ec2-4a7f-b298-fab671d090f3	riggs4@purdue.edu	Jacob	\$2a\$10\$SxLfuWJHa2QVSr3b1kqYfeNAWythxGK0Lon7sU3pho...	Jacob	Riggs

☐ Check all With selected: Edit Copy Delete Export

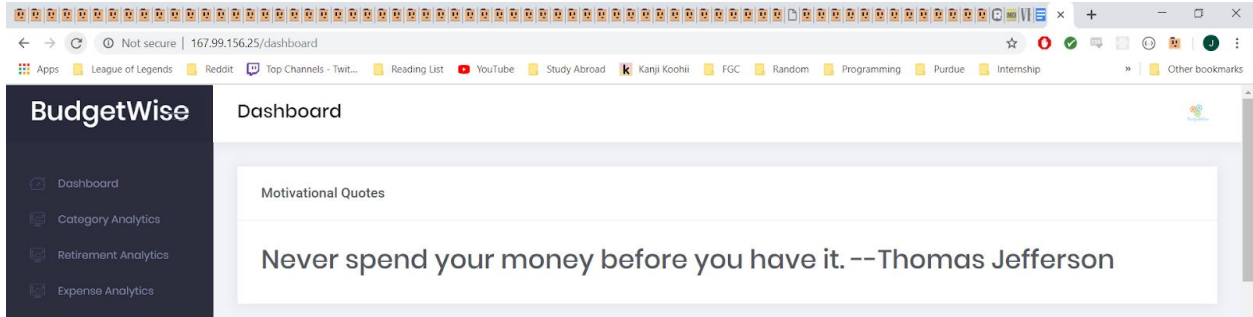
User Story #7

As a user, I would like to to receive inspirational quotes on homepage.

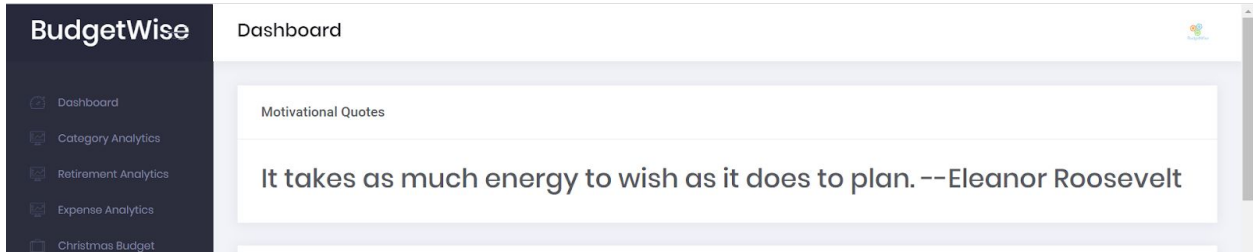
- **Test Description:** When logging into the app, a motivational quote will be shown on the dashboard.
- **Steps:** Go to login page. Enter in a valid username/email and password. Click the sign in button, and you will be directed to the dashboard.
- **Result:** PASS



- **Test Description:** When refreshing the page, a new motivational quote will show up.
- **Steps:** Go to the dashboard. Hit the refresh button in the top left of your browser. A new quote will appear on the dashboard.
- **Result:** PASS



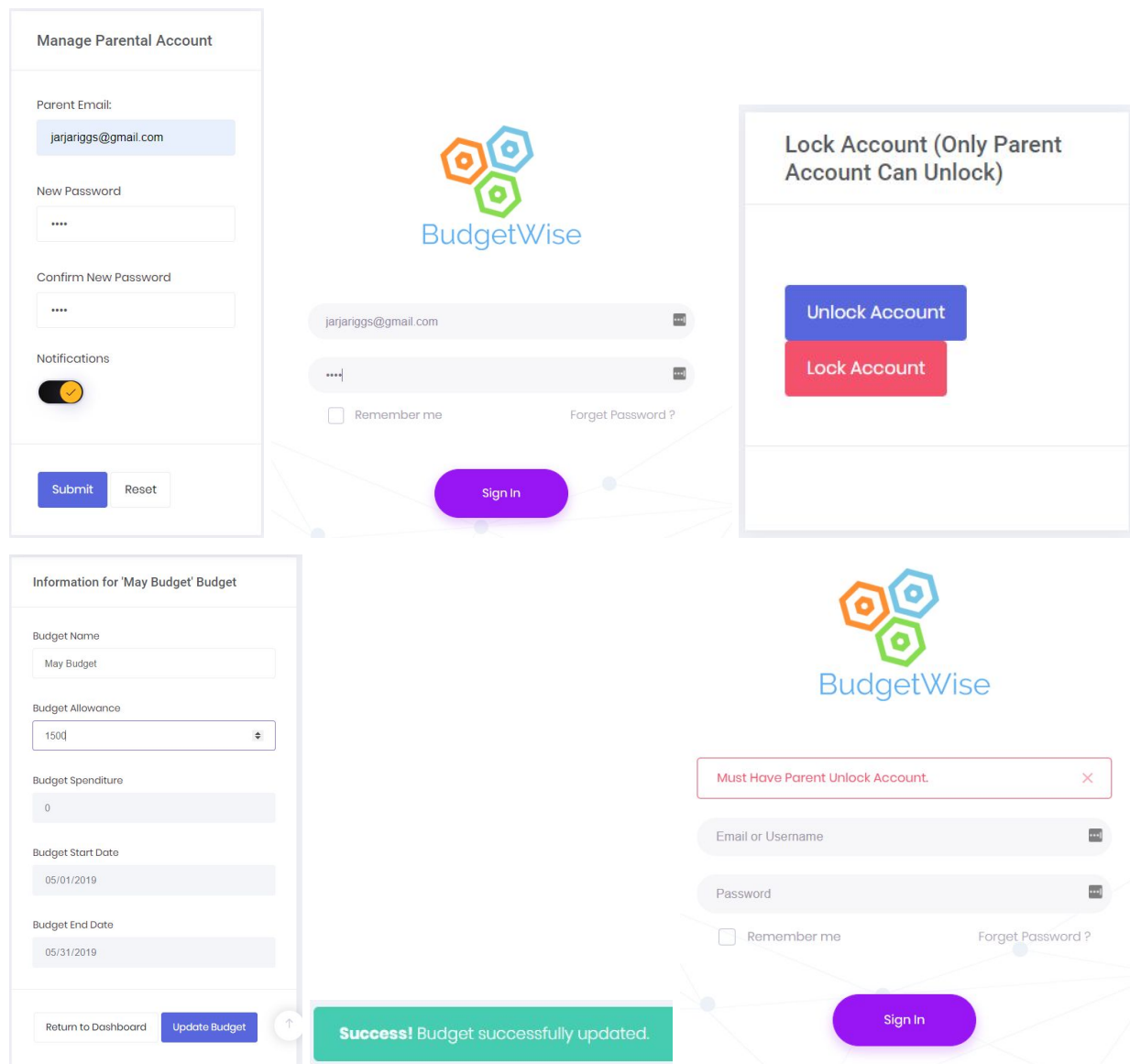
- **Test Description:** When returning to the dashboard, a new motivational quote will show up.
- **Steps:** Go to any other page with BudgetWise. Click the dashboard button on the left toolbar. A new quote will appear at the top.
- **Result:** PASS



User Story #8

As a user, I would like to be able to modify my kids' budget and receive notifications for their budgets.

- **Test Description:** Ensure that the parent is able to lock the child's account
- **Steps:** Navigate to the settings page, add a parent account, log in with this account, and lock the account. Edit something using the parent account. Try to log in with the child user.
- **Result:** PASS



User Story #9

As a user, I would like to be able to send messages through the application to my kids.

- **Test Description:** User can add a memo on their dashboard that will save and can be viewed later.
- **Steps:** Navigate to dashboard page and fill out memo. Hit Save. Refresh page, and memo will save.
- **Result:** PASS

Memo

Enter Memo Here

Save Memo

Delete

Memo

sample note

Save Memo

Delete

Success! Memo successfully updated.

- **Test Description:** User can edit the memo on their dashboard
- **Steps:** Navigate to dashboard. Edit existing memo. Hit Save. Refresh Page
- **Result:** PASS

Memo

edited note

Save Memo

Delete

Success! Memo successfully updated.

- **Test Description:** User can delete the memo on their dashboard
- **Steps:** Navigate to dashboard. Hit Delete button in Memo Pad. Refresh Page.
- **Result:** PASS

Memo

Enter Memo Here

Success! Deleted Memo.

Memo

before delete

Save Memo

Delete

- **Test Description:** Parent account can also access and edit the memo, which can be viewed by child account.
- **Steps:** Login in with parent account and edit memo on memo pad. Hit Save. Login with child account. View updated memo
- **Result:** PASS

Logged in with Parent:

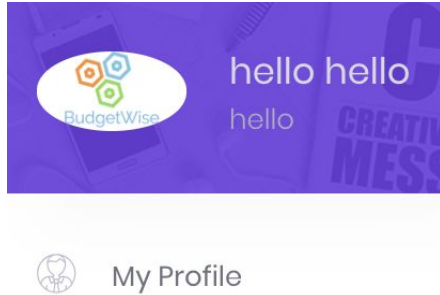
Parent Email:

hithere@gg.com

Memo

parent memo test

Logged in with Child:



Memo

parent memo test

User Story #10

As a user, I would like to be able to set spending preferences and receive notifications on what categories to cut back on.

- **Test Description:** Ensure that the category spending recommendations performs all calculations correctly and displays the values on the category spending recommendations widget.
- **Steps:** Add some categories and expenses and navigate to a budget page.
- **Result:** PASS

Category Spending Recommendations

Categories Under Spending Ratio

Entertainment - Actual: 0 - Allowed: 10

Food - Actual: 0.67 - Allowed: 25

Bills - Actual: 0 - Allowed: 30

Categories Above Spending Ratio

Retirement - Actual: 69.94 - Allowed: 15

Travel - Actual: 29.39 - Allowed: 20

Recommendations

The category where you have overspent the most according to your set spending ratios is Retirement. You have spent 54.94% more on this category that you planned to compared to how much you have spent so far for this budget.

The category where you have underspent the most according to your set spending ratios is Bills. You have spent 30% less on this category that you planned to compared to how much you have spent so far for this budget.

- **Test Description:** Ensure that if spending ratios have not been set, the recommendations will not appear.
- **Steps:** Create a new account and budget, and navigate to the page for that new budget.
- **Result:** PASS

Category Spending Recommendations

Categories Under Spending Ratio

All categories must have non-zero spending ratios to receive spending recommendations.

Categories Above Spending Ratio

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Recommendations