Group#13 Budgeting App User Manual

By: Brian Mounce and Carter King

Installation

1. Unzip the project .zip file. Be sure that the libs folder and the executable jar file are at the same level in the directory.
2. Download and install Java SE 15 or newer. (https://www.oracle.com/java/technologies/javase-downloads.html)
3. Download and install MySQL community server. Be sure it is running on localhost port 3306(default port) (https://dev.mysql.com/downloads/)
4. Download and install MySQL Workbench.
5. Login as root user
6. Add a new schema called "budgetsdb"
   a. Charset should be set to utf-8
   b. Default collation is fine.
7. Set budgetsdb as the default schema by right clicking on budgetsdb in the schema window.
8. Build the DB schema by running the query found in the project directory.
9. In Administration > Users and Privileges > Add Account
   a. Set login name to "app"
   b. Set password to 0
   c. In Schema Privileges give the user (app) full privileges.
   d. Note: These correspond to DB_USER and DB_PASSWD in the BudgetDAO object.
10. Navigate in command prompt to the project directory.
11. In the project directory run: java -jar budget-app.jar
   a. Note: The jar cannot be run by double clicking.

Using the App

When you open the app for the first time you will see a screen that looks like this:
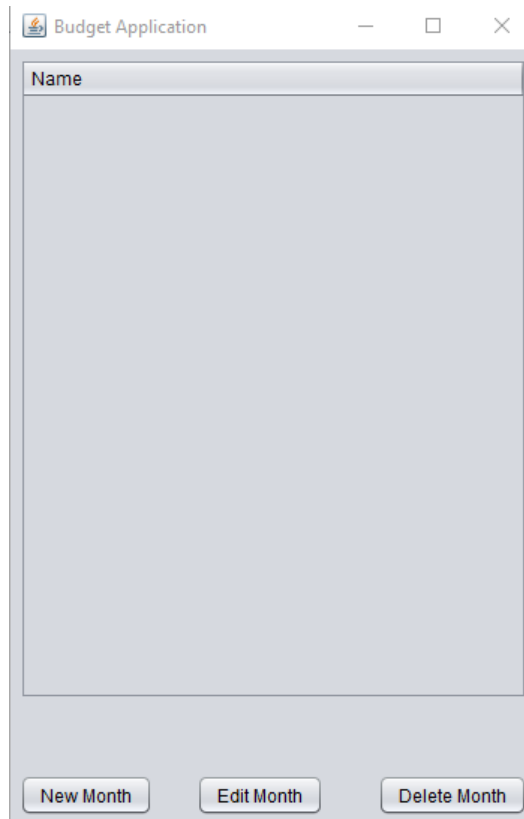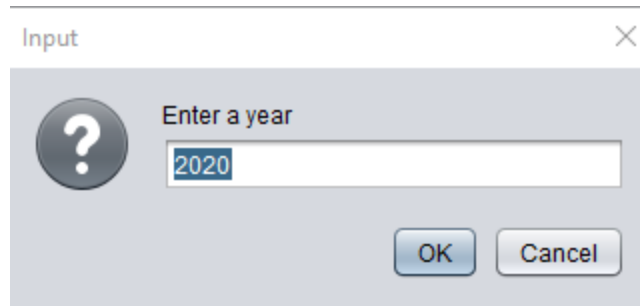
This is your month selection screen where you will create new months with their own budget. You can also delete a month at any time that you choose.

When you click the "New Month" button you will see the following window appear on your screen:
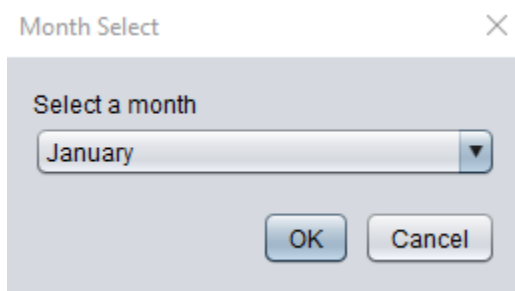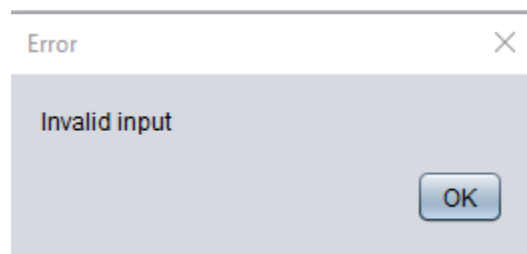

Select the month for the new budget and click "Ok" to continue. If you wish to cancel the budget creation click "Cancel" or the "X" in the top right corner of the window.

If you have selected "Ok" you will see a new window appear:

Enter the year for the budget which will be included with the month. If you wish to cancel the budget creation click "Cancel" or the "X" in the top right corner of the window.Note: If you do not enter a whole number in the box your budget will not be created and you will see the following window

If you see this window you will need to click the "New Month" button and try again.

Once you have completed your new budget creation you will see your budget in the budget list in the center of the screen:
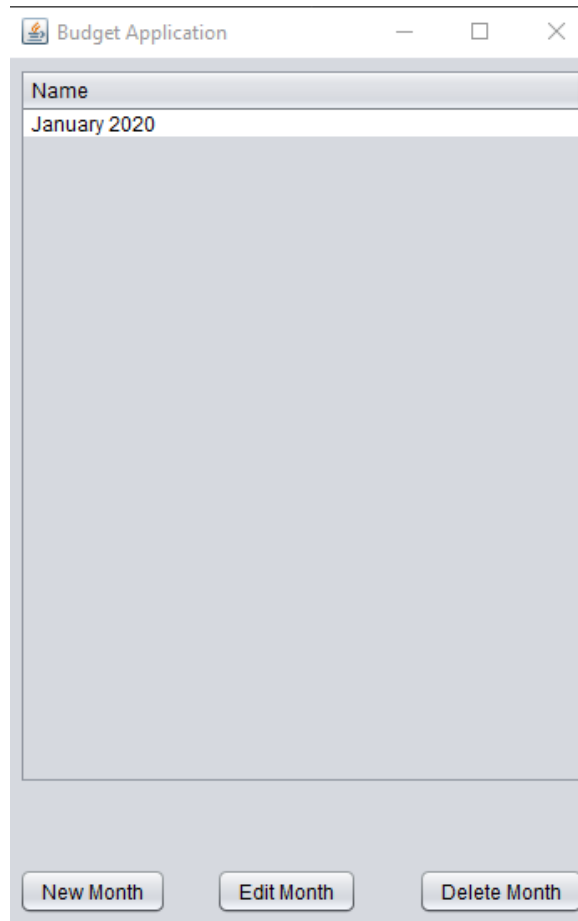
To delete a budget select the desired budget in the budget table and then select the "Delete Month" button. When you do you will see the following window:
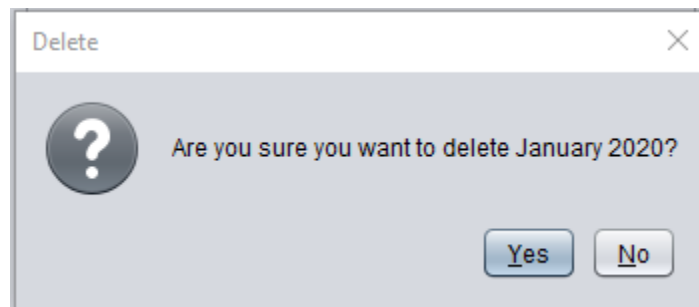
To confirm the deletion select "Yes" to cancel select "No"

To begin using your budget select your budget in the budget list with your mouse and then click the "Edit Month" button. A new screen should appear that looks like this:

This is your budget. The table in the center of the window will contain all of the various categories that you would like to keep track of and will track the total for the entire month. The table consists of rows and columns. A row will represent a single category and each row has four columns:

-Name
-Spent to Date
-Spend Limit"
-Remaining".

The "Name" will be the name of the category such as "Groceries" or "Gas" or any name you would like to give it. The "Spent toDate" is where you will track the amount you have spent for the given category so far. The "Spend Limit" is a limit you will define for the amount to spend for the given category. "Remaining" will track what is remaining for you to spend on the category determined by your "Spent to Date" and "Spend Limit". Note: a negative number will indicate the amount you have exceeded your limit. Ex:. -$5.00 means you are $5 over your limit.

To create your new category click the "Add Row" button at the top of the screen. This will add a new blank row for your budget:

Budgeting Application

Name	Spent to Date	Spend Limit	Remaining
Total	$0.00	$0.00	$0.00

Name [   ] Spent to Date [   ] Spend Limit [   ] Remaning [   ]

Adjust Spent to Date [   ] ◉ Add ○ Subtract [Submit]

[Save Changes]

Select the row by clicking on it with your mouse and you can begin editing it with the editing panel at the bottom of the window:

Name [   ] Spent to Date [   ] Spend Limit [   ] Remaning [   ]

Adjust Spent to Date [   ] ◉ Add ○ Subtract [Submit]

[Save Changes]

Fill in the Name, Spent to Date, and Spend Limit fields. The remaining field will update with the difference between Spent to Date and Spend Limit automatically.

Name [Groceries] Spent to Date [$200.00] Spend Limit [$500.00] Remaning [$300.00]

Adjust Spent to Date [   ] ◉ Add ○ Subtract [Submit]

[Save Changes]

To add the new values to the row in the table click the "Save Changes button:

The total row at the bottom will keep track of the sum of all the rows individual columns.

When your budget is filled out and you select a row that has information stored in it the editing panel will automatically populate with the information when you click on it with your mouse:

For your convenience you can add or subtract an amount from the spent to date in the Adjust Spent to Date panel:

Simply enter a number that you wish to add or subtract as well as the appropriate option next to it:

And then click the "Submit" button

Your "Spent to Date" value will be updated accordingly. To keep the changes you have made click "Save Changes"

To delete a row from your budget select a row by clicking on it with your mouse and click the "Delete Row" button. You will then see a new window appear:
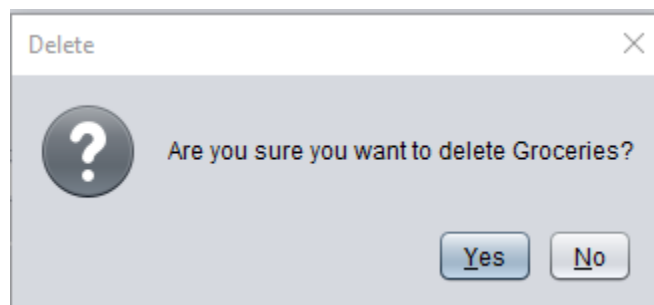
Confirm your deletion by clicking "Yes" or click "No" to cancel.

To return to the Month Selection screen simply click the "Return" button at the top of the window.