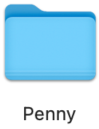
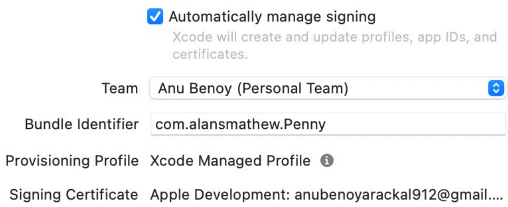
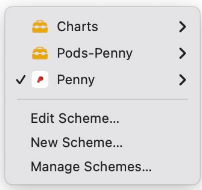
User Manual For Penny

1. Unzip penny, and go to the Penny folder 

2. Open **Penny.xcworkspace** 

file inside the above folder to start the application inside Xcode.
3. After opening the application, if the user is trying to run this application on a real iPhone, make sure that you have signed in with proper credentials inside Xcode and Sign the app (it is under *signing and capabilities* tab)



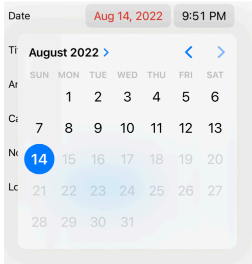


on project settings. And also make sure Penny with app logo is selected as current running file on the top bar of the Xcode before building the project.
4. Select the appropriate iPhone to run and hit the play button to build and run the application.

How to add expenses on Penny

1. To add an expense inside Penny, click on "+" button  on the bottom right of the screen

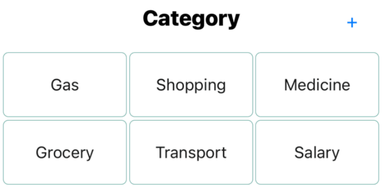
2. Add expense screen will appear in order to add data records to the application.
3. Click on income / expense tab to change the record type as income or expense. Income Expense
4. Select on current date and time to add date and time.



5. Enter title in title text box in order to add data in title

Title Walmart

6. Enter the amount for the title Amount 68
7. Click on category to select from a category.



Category Shopping

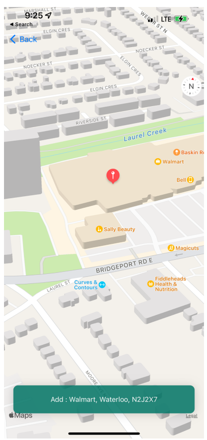
8. User can also add notes to a transaction while typing in data in notes field. Notes is optional so user can also skip adding data to this field.

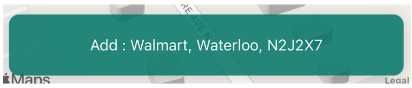
Note

9. User have two options : Location Get Location Set Location
   1. Get location takes current location of the user device by asking users permission and displays current address below the buttons

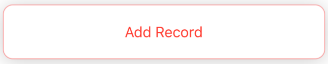
      Current location: 140 University Avenue West, Waterloo, N2L 6J3

   2. Set location takes the user to another screen to select a location from the map. While clicking on the Add *#Adress*



button 

user adds the selected address to the records which can be seen under the buttons for Get and Set Location. It is optional to set one.

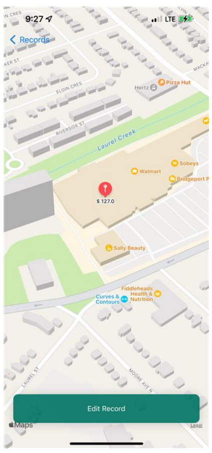
3. By Clicking on Add Record button user expense will be added to the phones database. 

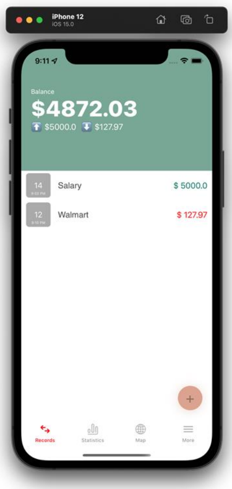
Sample input data

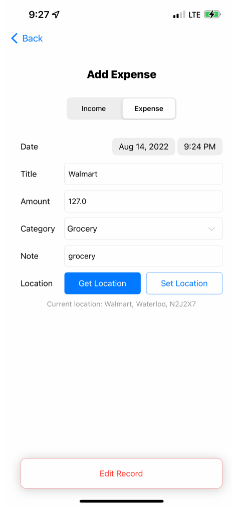
Type (top tab bar)	Date	Title	Amount	Category	Note	Location
Income	Current Date	Salary	5000	income		
Expense	Any date	walmart	299	Grocery	Brigheport road	Set Location

How to edit expenses on Penny

1. Select an expense from the record screen.
2. If the expense contains a location, user will be directed to a map view to see the expense on a map view. While clicking on the bottom *Edit Record* button will redirect you to edit expense screen.
3. If the user doesn't have a location recorded while adding the data, will be directed to edit transaction screen directly.



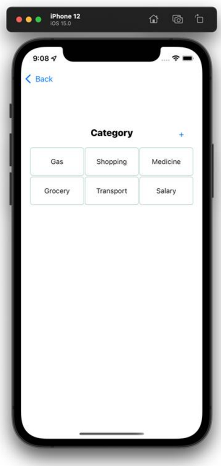




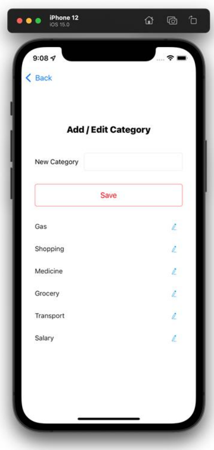
4. Existing data will automatically populate in the corresponding fields. User can edit any of the data on the screen.
5. While clicking on the Edit Record button the edited records will be saved.

How to add / edit category on Penny

1. Click on “+” button  on the bottom right corner of the screen.



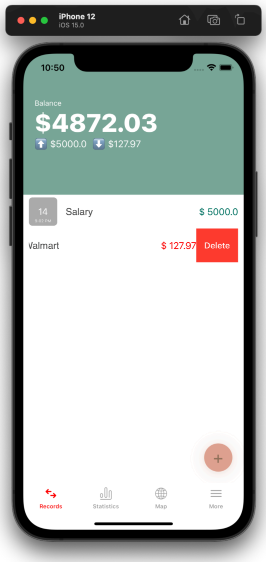
2. Click on category field, and the user will be redirected to category screen.
3. On the top right, there is a + button to add category. While clicking user will be redirected to the add or edit category screen.



4. User can add a new category under new category field and click on the save button will update the table below and saves the category to the users database.
5. While clicking any of the table cell. The new category filed will change to edit category and the field will get populated with category user clicked. And clicking on save will change the edited category.

6. If the user deletes all text in the edit category it will change to new category and resets edit category field to add new category.

How to delete records on Penny



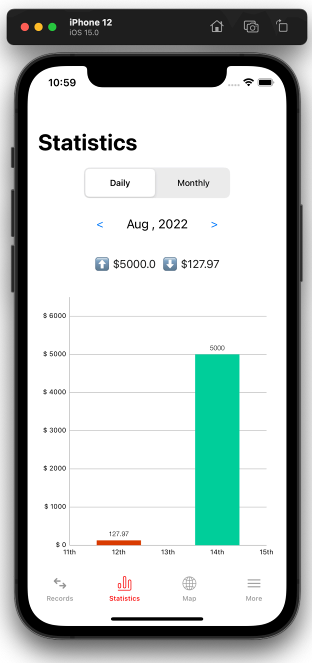
1. To delete a record from the records table, user have to swipe left on the record and click on delete or swipe left all the way to delete the record.

How to view statistics on Penny

1. While taping on the bottom session, user will be able to navigate to different screens. 

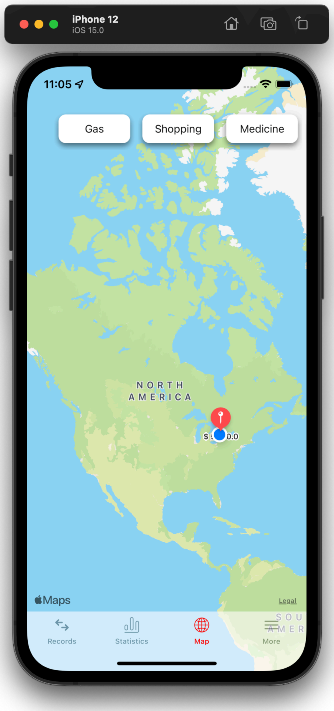
2. On top there is tab bar containing daily and monthly

3. Selecting any of these will change the chart accordingly.
4. User also have an option to change dates and view data graphically according to the selected dates or months, underneath the daily/ monthly tab bar.



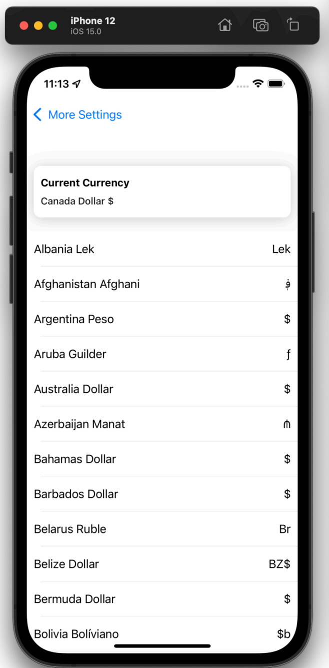
How to view records on a Mapview

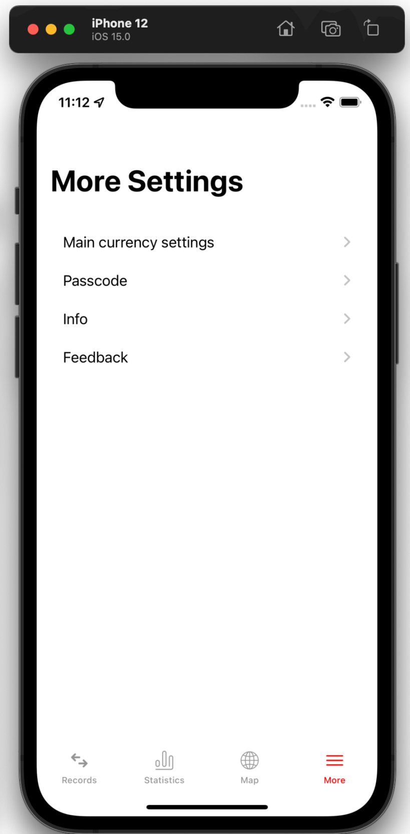
1. While taping *map* on the bottom session, user will be able to navigate to a map view screen.
2. On the top there is a horizontal scroll to a select category. While clicking on any one of the category, user will be able to see only the pins corresponding to that specific category on the map.
3. While taping on pins, user will be able to see title and price for the spending.



How to change currency and set up Face ID inside in Penny

1. While taping *more* on the bottom session, user will be able to navigate to More screen.
2. Clicking on first option will take the user to a list of currency page where one can choose a currency and see the one currently selected.





3. To set up face ID, user have to select second option and turn on face ID authentication.