Saugie Sweets

Rewards Screen

Account Screen

Target Audience

Frequent cusotmers of saugatuck sweets, a candy and icecream shop with two locations, one in the town of Fairfield and the other in Westport. Customers who use the app accumulate 'SweetBucks' with each purchase. 'SweetBucks' add up and can be redeemed for discounts on icecream and candy at each location. The owner of Saugutuck sweets had the idea when he noticed school children going to starbucks with their rewards app.

Personas

Susy is a young girl who came here after a dance recital in town. She enjoys having ice cream with her parents and friends. It serves as a good social setting.

Joe is a frequent customer of this ice cream shop. He lives in town and studies at the local university. He raves about it to his friends. To which they sometimes join him and enjoy ice cream as well.

Marybeth is an adult who is dating more frequently as the summer approaches. She finds this place a good stop to complete a night in town while she is on a date.

Application Goal

As a customer of Saugutuck sweets I want to be rewarded for my frequent patronage.
As a cusomer of Saugutuck sweets I want occasional discounts and specials on certain items.
As the owner of Saugutuck sweets I want to reward my regular customers with discounts and special deals.
As the owner of Saugutuck sweets I want to be able to provide special offers to my customers and alert them of special events.

Susy finds it exciting to use her new rewards as a motive for her mom to bring her to get ice cream even when she is not celebrating a dance recital.

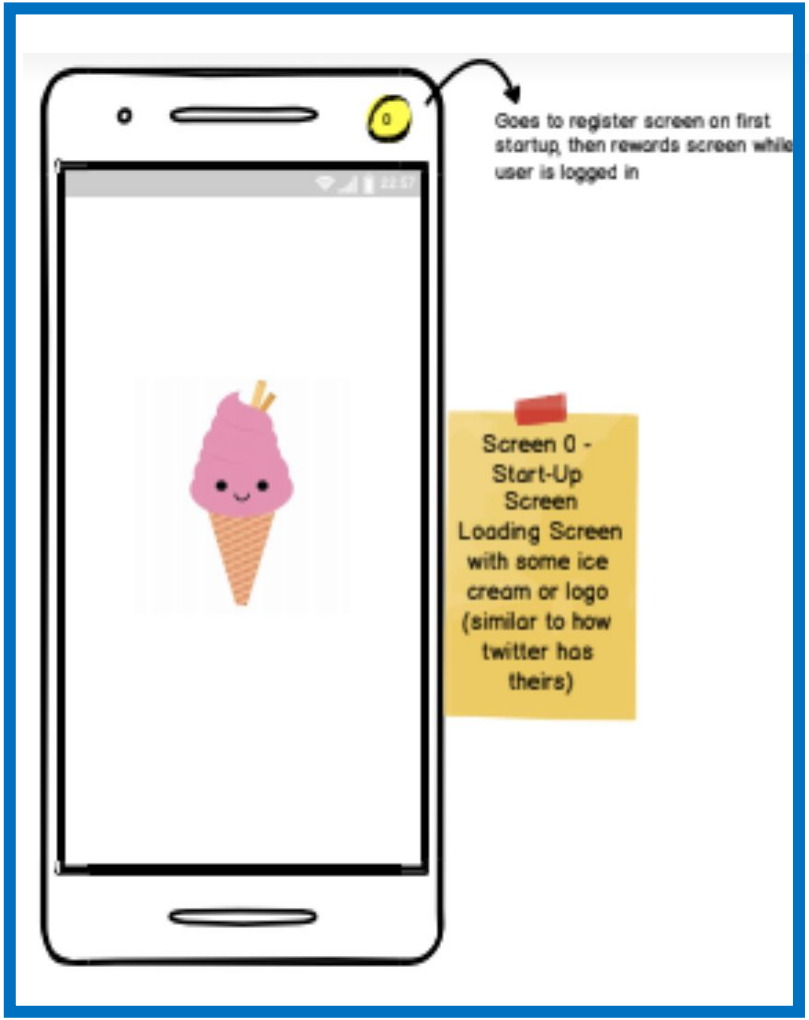
Joe is able to get better deals and create a stronger relationship with the ice cream place when he shows his loyalty to them. By referring friends, he receives some benefits sometimes. He can even show off how close it is to the school to motivate his lazy friends to tag along.

Marybeth pulls out her rewards app to make a lasting impression about things that mean a lot to her. Not just the ice cream, but also how important relationships are to her and how she expects a little token of appreciation every once in a while.

Components

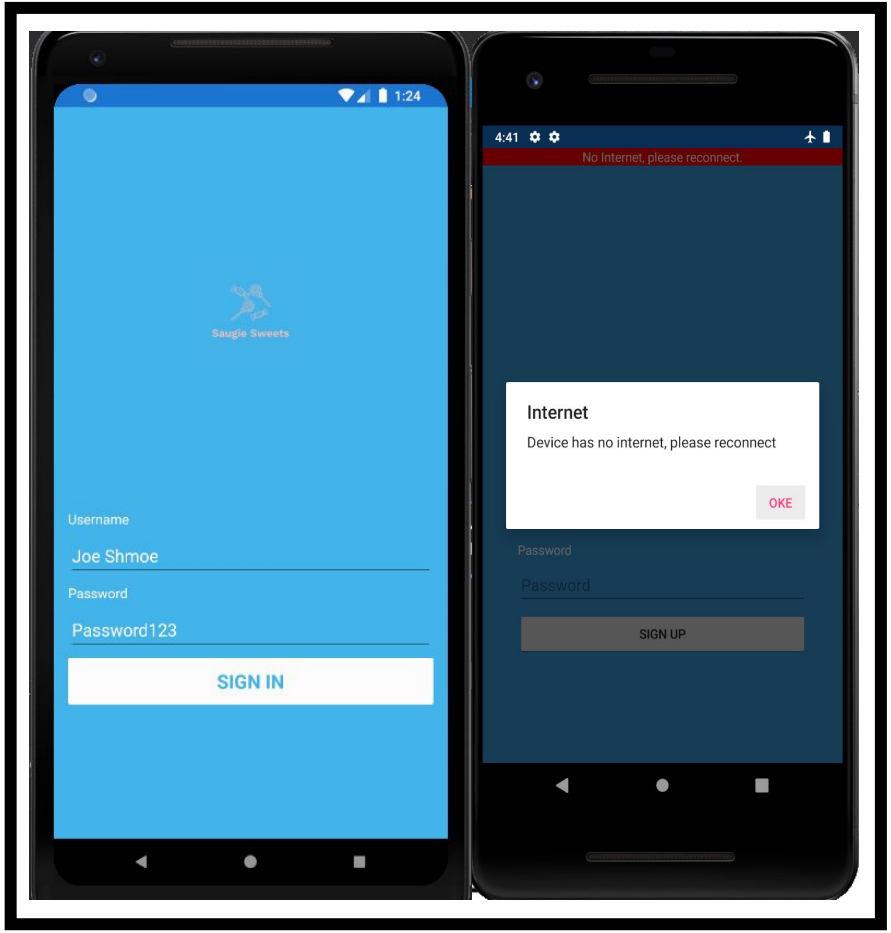
Web Service: Google maps location services
Additional Web Service: QR/Barcode generator
Database of Users
Data Storage: Store SweetBucks
Own Web Service: Allow admin to send out special event/offer notifications.
Orientation mode can change when in maps.
Makes for slightly better experience.

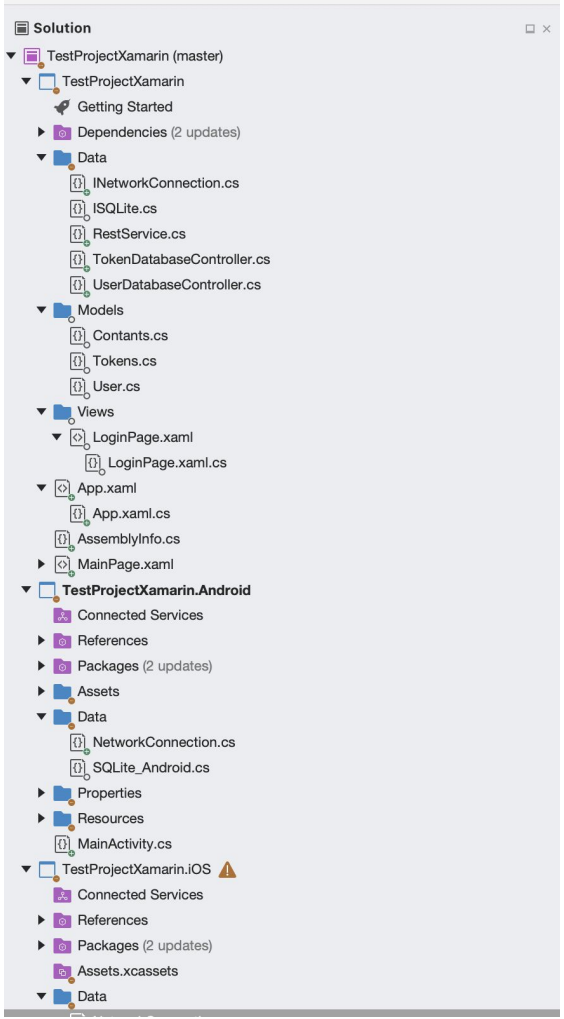

1
Register Your SweetBucks Account
Name:
Password:
Email:
Phone:
Register
Screen 1 - Register for sweetbucks account. Prompted on user's first time using the app.
2
Scan For Bucks
SweetBucks: 99swb
Rewards Available
BOGO IceCream 50swb
Redeem
1/2 Off Candy 50swb
Redeem
Rewards
Locations
Account
Screen 2 - The home/rewards page. This is where the users total sweetbucks are displayed, they can activate offers and they can bring up the scan page at checkout to be rewarded points for their purchase
3
Rewards
Locations
Account
Screen 3 - Location screen, shows various locations of shops which accept sweetbucks
4
Welcome Spencer
SweetBucks: 99
Total All Time: 500
Rewards History:
BOGO IceCream 50swb
1/2 Off Candy 25swb
1/2 price Milkshake 40swb
Change Account Info
Rewards
Locations
Account
Screen 4 - Account screen, shows personal stats like sweetbucks which is a good way to track your involvement
0
Goes to register screen on first startup, then rewards screen while user is logged in
Screen 0 - Start-Up Screen Loading Screen with some ice cream or logo (similar to how twitter has theirs)
2.1
Scan to Reap Rewards!
This is the scan screen. It will use either a barcode or a QR code like the dunkin app
3
Rewards
Locations
Account
Rewards Screen
Account Screen
Screen 3 - Location screen, shows various locations of shops which accept sweetbucks
Landscape mode
4.1
Name:
Email:
Phone:
Submit Changes
This screen allows the user to change their account info.


Goes to register screen on first startup, then rewards screen while user is logged in
Screen 0 - Start-Up Screen Loading Screen with some ice cream or logo (similar to how twitter has theirs)

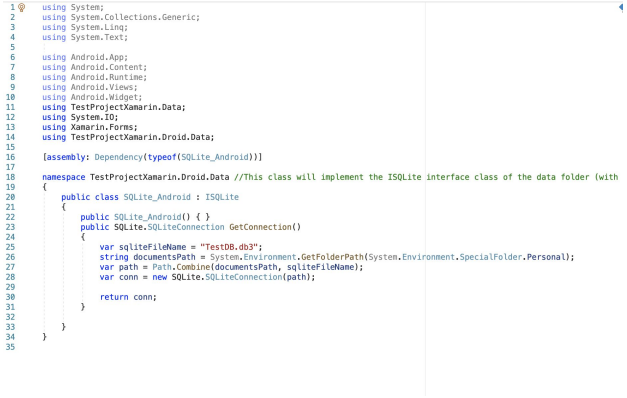

4:46
Drive
Play Movi...
Chrome
RewardsA...
TestProjec...
All apps
Calculator
Calendar
Camera
Chrome
Clock
Contacts
cs0305as...
Drive
Duo
Files
Gmail
Google
LoginPage
Maps
Messages
Phone
Photos
Play Movi...
Play Music
Play Store
RewardsA...
RewardsA...
Settings
TestProjec...
WebView...
Saugie Sweets


Register Your SweetBucks Account
Name:
Password:
Email:
Phone:
Register
Screen 1 - Register for sweetbucks account. Prompted on user's first time using the app.

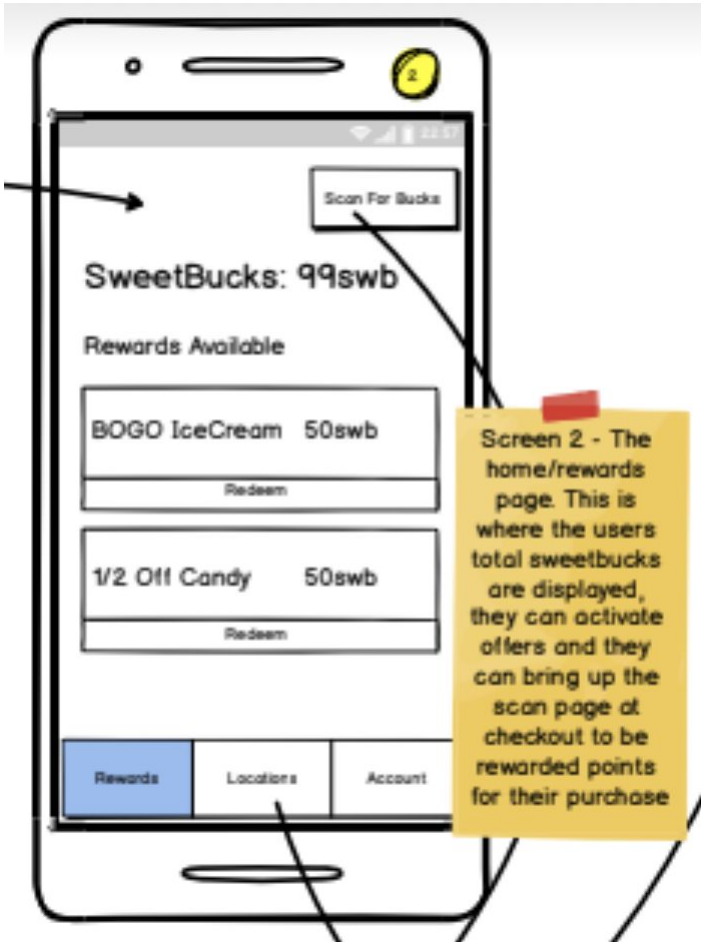

1:24
Saugie Sweets
Username
Joe Shmoe
Password
Password123
SIGN IN
4:41
No Internet, please reconnect.
Internet
Device has no internet, please reconnect
OKE
Password
Password
SIGN UP




```
using Xamarin.Forms;

namespace TestProjectXamarin.Models
{
    public class Contants
    {
        public static bool IsDev = true;
        public static Color BackgroundColor = Color.FromRgb(58, 153, 215);
        public static Color MainTextColor = Color.White;

        public static int LoginIconHeight = 120;

        //------Login--------
        public static string LoginUrl = "https://test.com/api/Auth/Login";

        public static string NoInternetText = "No Internet, please reconnect.";
    }
}
```

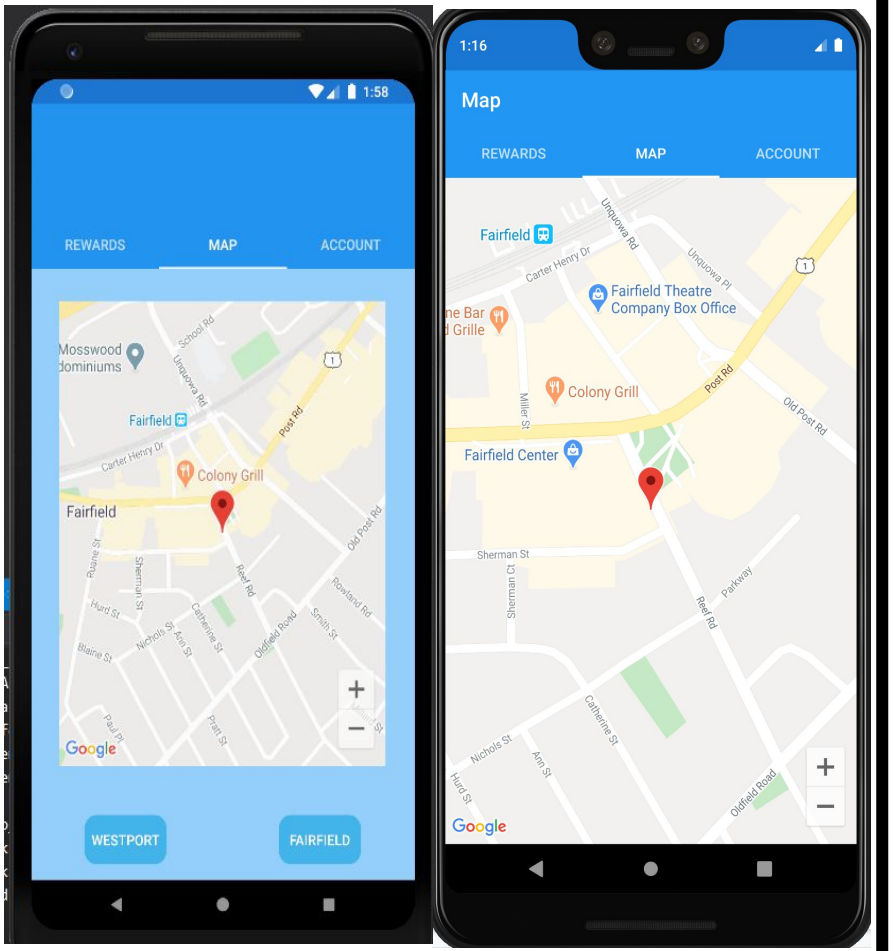


```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

using Android.App;
using Android.Content;
using Android.Runtime;
using Android.Views;
using Android.Widget;
using TestProjectXamarin.Data;
using System.IO;
using Xamarin.Forms;
using TestProjectXamarin.Droid.Data;

[assembly: Dependency(typeof(SQLite_Android))]

namespace TestProjectXamarin.Droid.Data //This class will implement the ISQLite interface class of the data folder (with
{
    public class SQLite_Android : ISQLite
    {
        public SQLite_Android() { }
        public SQLite.SQLiteConnection GetConnection()
        {
            var sqliteFileName = "TestDB.db3";
            string documentsPath = System.Environment.GetFolderPath(System.Environment.SpecialFolder.Personal);
            var path = Path.Combine(documentsPath, sqliteFileName);
            var conn = new SQLite.SQLiteConnection(path);

            return conn;
        }

    }
}
```

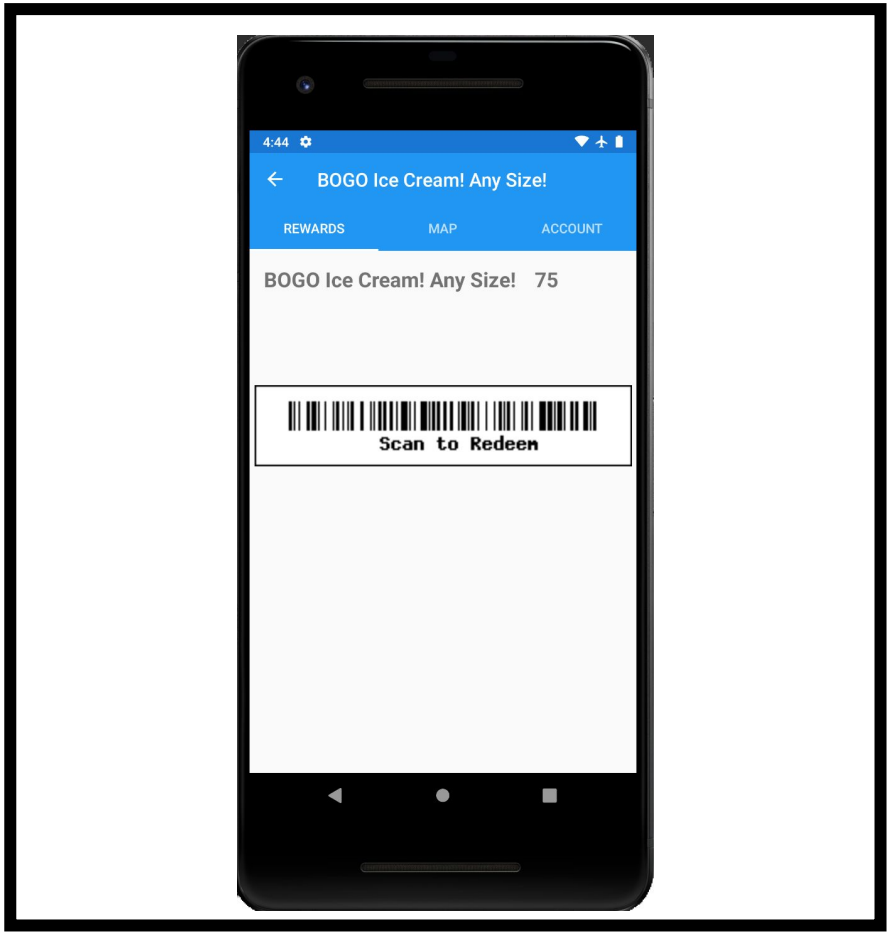

Scan For Bucks
SweetBucks: 99swb
Rewards Available
BOGO IceCream 50swb
Redeem
1/2 Off Candy 50swb
Redeem
Rewards
Locations
Account
Screen 2 - The home/rewards page. This is where the users total sweetbucks are displayed, they can activate offers and they can bring up the scan page at checkout to be rewarded points for their purchase

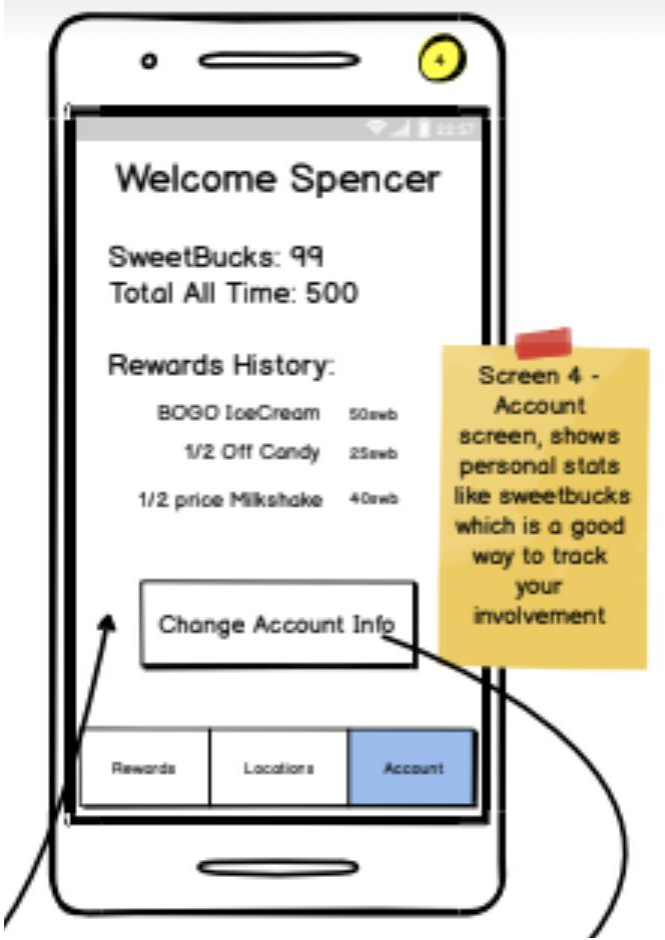

1:14
Rewards
LOGOUT
SCAN
REWARDS
MAP
ACCOUNT
SweetBucks: 200
BOGO Ice Cream! Any Size! 75
50% Off Candy Purchase 50
25% Off Milshake or Float 40
2 Scoops Free! 100
1 Scoop Free! 50


Screen 3 - Location screen, shows various locations of shops which accept sweetbucks
Rewards
Locations
Account


1:58
REWARDS
MAP
ACCOUNT
Mosswood dominiums
Fairfield
Colony Grill
Fairfield
Google
WESTPORT
FAIRFIELD
1:16
Map
REWARDS
MAP
ACCOUNT
Fairfield
Fairfield Theatre Company Box Office
Colony Grill
Fairfield Center
Google


Scan to
Reap Rewards!
This is the scan screen. It will use either a barcode or a QR code like the dunkin app


4:44
BOGO Ice Cream! Any Size!
REWARDS
MAP
ACCOUNT
BOGO Ice Cream! Any Size! 75
Scan to Redeem


Welcome Spencer
SweetBucks: 99
Total All Time: 500
Rewards History:
BOGO IceCream 50swb
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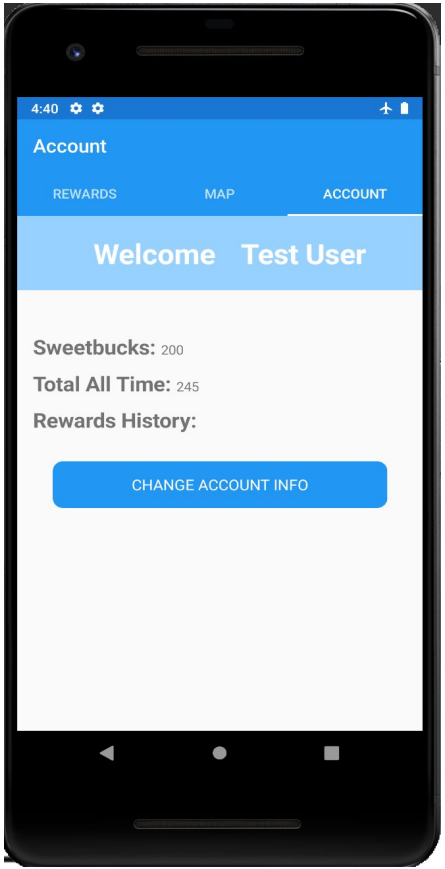
1/2 price Milkshake 40swb
Change Account Info
Rewards
Locations
Account
Screen 4 - Account screen, shows personal stats like sweetbucks which is a good way to track your involvement


4:40
Account
REWARDS
MAP
ACCOUNT
Welcome Test User
Sweetbucks: 200
Total All Time: 245
Rewards History:
CHANGE ACCOUNT INFO

Bigger Issues Encountered

1. *Database Implementation*
2. *Platform Change to Xamarin Forms*
3. *Working with Google Maps API*
4. *Slow startup due to learning curve*

Merging conflicts - Learning Git