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Milestone 2

Mockup/Prototype: My Prototype was completed using Justinmind

User Flow: When the user launches the app they will see an image of a gas pump as well as the name Gas Tracker. From this screen there will be a transition to the vehicles page On this screen you will see a list of the vehicles the user has added. If there are no vehicles added yet the user can click the + button to add a vehicle. This will redirect the user to an Add Vehicle page where the user enters the make model and year of the vehicle and presses done or cancel to add or quit the process. At the bottom of the vehicle table view is a tab bar to go to the calculate or data page. On the calculate page you will see two input fields a calculate button and save button the calculate button will display a label with gas mileage. When save is pressed it will take you to a new screen where there will be two labels one for gas mileage one for date, a text field to enter the gas station you went to and a picker to select the vehicle the gas mileage is for. If you select done it will take you to the data page which will be a table displaying all of the gas mileages you have saved, if you press cancel it will take you back to the calculate page. The one thing I was unable to represent was the data persistence due to the fact I was just using a prototype tool.

Pseudocode: The database I plan on using is realm and we went through all of the code of how to set up a realm database last class.

The classes I will have for my database are:

```
import Foundation
import RealmSwift

class Mpg : Object {
   dynamic var mpg = String()
   dynamic var gasStation = String()
   dynamic var date = String()
   dynamic var vehicle = String()
}

import Foundation
import RealmSwift

class Vehicle : Object {
   dynamic var make = String()
   dynamic var model = String()
   dynamic var year = String()
}
```