**Homework #2**

Case Project: Car App

**Requirements**

Application title: Cab Fare and Car Wash

Purpose: Create an app that provides two functions: calculating the cost for cab fare and car wash.

Algorithm: A welcome screen displays the app’s title and two buttons (the Cab Fare button and the Car Wash button) that take the user to the next screen.

Cab Fare

1. The Cab Fare screen requests **the distances** in miles for the cab ride and your **preference** for the requested cab: a SUV, sedan, or minivan. The cab fare has an initial fee of $3.00. The mileage rate of $3.25 per mile is also charged.
2. The screen displays the results of the requested type of cab with the cost of the fare.
3. Use a Spinner prompt, string array, and **hint property**.
4. Decimal mileage is possible.

Car Wash

1. The Car Wash screen displays **types of car wash** – exterior only or exterior with interior vacuum services.
2. Use radio buttons for the car wash types. Only one radio button can be selected.
3. The screen also display an input for the user to enter **the number of washes** to be purchased.
4. The car wash service charges $8.5 for an exterior wash and $12.5 for an exterior wash with an interior vacuum for a package of 10 or more car washes. If the user purchases less than 10 washes, the charge is $10.5 for an exterior wash or $15.5 for an exterior with interior vacuum.
5. When the CALCULATE PACKAGE button is clicked (touched), the total price is displayed for the number of car washes purchased.
6. A toast message should pop up when the user enters less than 10 washes that they must buy 10 washes to receive a discount.

Conditions: The company domain used by your app must include your Texas State Net Id (such txstate.edu.bc98, where bc98 is a student Net Id).

Due Date: **02-27-19**

**You must turn in your project as a zip file and turn it in using the Assignments tool (HW2) on the TRACS.**