MA524 Assignment 1

Vehicle Recall Information

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Executive summary of proposed app

Vehicle Recall Information is an Android application that allows users to search a vehicle that has recall issues. Users can search or filter information by manufacturer, model name, and/or model year, then the application will show the types of recall and the detailed information. The application can display each auto manufacturer's toll free phone number so that users can make a call for further information.

Explanation why a mobile app is a good choice for this project

This project requires all the knowledge from the course such as basic views, threads, a XML parser to read data, SQLite to create table, insert and display data, etc. This application can be informative as well.

Brief list of basic app features

1. Search recall information by manufacturer, model name, and/or model year
2. Display the types of recall, and detailed information
3. Search toll free numbers for manufacturers
4. Make a call to a manufacturer
5. Show the tutorial

Summary of expected users/market for this app

This application will target car owners who seek recall information and potential used car buyers

Descriptions of most common use-cases anticipated

Use case 1 – A car owner seeks recall information about the car.

Use case 2 – A car owner wants to know if the previous owner had the car repaired.

Use case 3 – A potential buyer is looking for information what models among the options required any repair or replacement
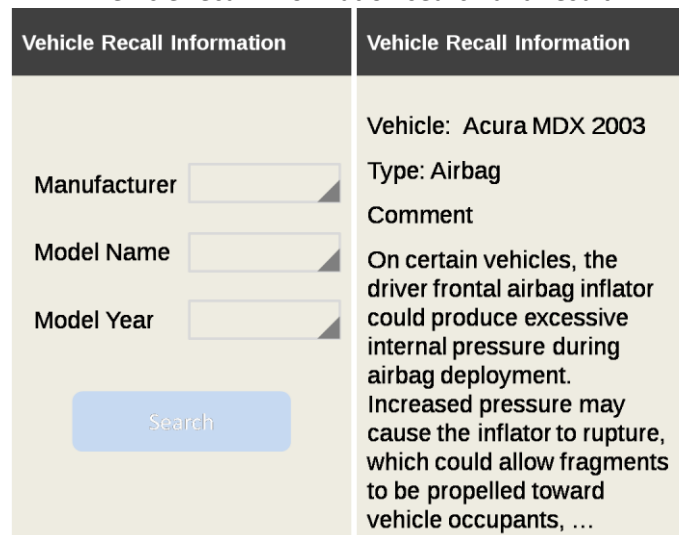
Mock-ups of views of the proposed app

Main	Vehicle recall information search and result

In the main, there are three buttons which can be used to search vehicle information, contact information, or to open the help menu

Users can choose options from drop down menus and hit the search button to open recall Information search. If there is no chosen option but the button is hit, there will be a toast message to tell users to choose options

Manufacturer's toll free number search and result

Help

Vehicle Recall Information

Vehicle Recall Information

Manufacturer: Acura

Toll Free: 1-888-922-8729

Manufacturer [   ]

Search

Call Manufacturer

Vehicle Recall Information

How to search recall info

Choose manufacturer, model name, and/or model year(at lease one of them) and hit "Search" button to look for the vehicle recall information

Search Manufacturer and call

Choose a manufacturer and hit "Search" button. You can see the toll free number and make a call for further info

To obtain the toll free number of a manufacturer or to call the number, users must choose a manufacturer and hit the search button. If there is no chosen option, a toast message will pop up. After searching, the phone number will be displayed and users can make phone calls by hitting the button

Help menu will teach users how to use this application

Timeline for implementation

2015.07.27 – Planning UI