# AED - Assignment 1

The objective of this assignment is to get you familiarized with development of a Java application on your own using NetBeans IDE and to use some of the commonly used swing controls such as JFrame, JPanel, Split Pane, Text Boxes, Buttons and Labels. We just scratched the basics properties of these swing controls in our lab but feel free to explore other properties.

## Problem Statement

Create a Java application to support car service logging. Your application must allow the user enter the tachometer details and other service related information. Also design a panel for the user to view the service details entered by the user. Some of the details that needs to be captured are

* Car Make
* Car Model
* Miles
* Battery Status
* Engine Status
* Oil Status
* Service Date
* Service Description
* Customer Name
* Customer Phone Number
* Email Address

Note:

* You must not allow the user to create a log if any of the above mentioned fields are empty/ blank. This validation was not covered in the lab but a little research from your end would make this a cake walk. In large this assignment is similar to lab 1 (1 Business Class, 1 JFrame, @ JPanels) ☺

## Reading materials

It would be easy for you guys to follow the lab sessions if you could brush up the following object oriented concepts

Class, Class Variables, Class Member Functions, Member variables vs Class Variables, Access Modifiers. Also look into Objects, Object instantiation, Constructors, Encapsulation and Polymorphism.

Useful book on Java: <http://www.opus-college.net/devcorner/HeadFirstJava2ndEdition.pdf>