

1. Introduction

In this modern era, technology is one of the main necessities that everybody needs. Technology will always evolve and rapidly change every day. One of the major development of technology is the rising usage of mobile device for personal use or even for company use.

Robert Bosch GmbH is one of the leading organizations in the world; it is founded in 1886 by Robert Bosch (Bosch, 2017). Their product consists of automotive parts, power tools, security systems, home appliances, engineering tools and electronics. The headquarter of the company is located in Gerlingen, Germany. The company has 375000 employees (December 2015) and is spread all around the world (Wikipedia, 2017).

As the motto of the company says invented for life, Robert Bosch always works to invent the new technology that can facilitate the human being for a better life (Wikipedia, 2017). Along with the rapid evolution of the technology, every outdated technology needs to be renewed to compete or follow the current technology that is currently used.

Now, the company has a plan to use a new device to be used for diagnosing a car's problem. In order to do that, the company needs a web interface that can control and show a schematic and diagnostic information from the diagnostic device.

This graduation assignment job is to research and implement the best method to make a proof of concept website containing wiring diagram. The website can show and control diagnostic information from the diagnostic device on the terminals of the wiring diagram. The development method for this assignment is agile scrum. This method is used in order to make the application robust (properly integrated and tested).

In chapter two, the details of the company information will be provided for the reader. In chapter three, the details of the assignment will be provided for the reader. Chapter 4 will describe the details of the research, the development process, and the result of the assignment. After that, chapter five will provide the conclusion and recommendation of the graduation assignment. All other documents will be attached at the end of the report include the screenshot result of the program.