Carlos Garcia

Professor Kasey Nguyen

CIS-18A

30 July 2020

Course Project Part 1: Documentation and Program

1) Software company name: Line by Line

2) Pseudocode:

1- declare variables for the type of car wash and type of wheel cleaning

2- set switch statement for what type of car wash is wanted and price

3- array storing the options for wheel washes

4- set switch statement for what type of wheel wash is wanted and price

5- calculate total price including taxes

6- input and output

3) Documentation:

My program is targeting those who own or work within a car wash company. Its is aimed towards the car wash business that looks to modernize its process and potentially even limit the number of employees they hire. This program is built for the car wash company that is primarily automated, not the car wash company that does work primarily by hand.

The purpose of the program is to allow the customer to select between a basic or deluxe car wash, then select what they want done to their tires: rim shine, tire shine, or both. This will allow the customer to easily determine what they want done to their car and know how much it will cost exactly. Beyond that it will tell the car wash system exactly what needs to be done to the car.

The business function behind the program that it will limit the person to person contact in determining what the customer wants done to their car, eliminating room for error or misunderstanding. Beyond that it eliminates a need for employees to take down service request, saving the owner money overtime. It also streamlines efficiency in having service request made, keeping the prices consistent and organized.

The technical function behind the program consist of a few major ideas. The first being the organization and display of service prices. Providing a way for the customer to understand their options clearly, without price discrepancy. The customer than can easily select exactly what they want and know the price of the services immediately and accurately. Technically the services will be organized orderly and simply for any customer to understand and be able to use quickly.

4) Business Type: Car Wash (Program for customer)