Vanier College

Deliverable 2

System Development Section 01

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Submission Date:

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Statement

Our client Simon wants a better way to fill out an excel sheet using an application. The application will help organise the data and make it easier to navigate. He wants to use an application because it will be clearer and more consistent to fill out rather than an excel sheet.

 Our team will focus on creating the application from the scratch with the C# language. Some requirements for the application are: Downloadable application on PC, application must be able to connect to web database. We will use the ideas that we learnt from Application Development 1 in the previous semester. We will not use any previous code, but we will use the knowledge that we learned from before.

**Previous Work Statement**

Our team will focus on creating the application from the scratch with the C# language. Some requirements for the application are: Downloadable application on PC, application must be able to connect to web database. We will use the ideas that we learnt from Application Development 1 in the previous semester. We will not use any previous code, but we will use the knowledge that we learned from before.

**Business Domain**

OPEQ is a non-profit organization that encourages social integration, re-employment, and eco-responsible recycling. OPEQ has been created in 1998 to manage the computers for school programs in Québec. Computers for Schools is a national program that refurbishes devices donated by governments, private businesses, and individuals for use by schools, libraries, registered not-for-profit organizations, Indigenous communities, and eligible low-income individuals. Their mission is to give or sell powerful computer systems at minimal cost to Quebec private and public schools and libraries as well as other Quebec non-profit organizations such as non-profit day-care centers (CPE) and learning centers. Their sorting centers receive computing equipment from private enterprises and ministries. Employees sort and test the devices to segregate the ones that meet our criteria against the ones who do not. Satisfactory items of good quality are then shipped to their technical workshops for an upgrade while the remainder is shipped to responsible recycling partners. Sorting centers participate in several social programs in association with carrefours jeunesse-emploi (CJE), with centers promoting professional and social insertion and with specialized schools and colleges. OPEQ have received and given: Several million sorted equipment including computers, servers, cell phones, mice, keyboards, projectors, etc. More than 270,000 computers and laptops were donated to schools and non-profit organizations. More than 50,000 computers are recovered per year by OPEQ and over 18,000 tones of eco-friendly recycled material were recovered (April 1st, 2018).

**Business Environment**

Covering the whole province of Québec, OPEQ (Computers for Schools – Quebec) has two sorting centers (Montreal and Quebec), six workshops (Bellechasse, Gatineau, Montreal, Quebec, Saguenay, Sherbrooke) and an administrative center. This structure enables OPEQ to process rapid requests to pick-up as well as to provision schools and NPO with computers, laptops, and other refurbished devices. There are a lot of other competitors that are in various parts of Canada such as Computer for schools in Manitoba (<https://www.c4smb.ca/>), in Yukon (<https://cfsy.ca/>), in Alberta (<https://recycle.ab.ca/envirobusiness/alberta-computers-for-schools/>), in Nova Scotia (<https://trp.ednet.ns.ca/accept_equip.shtml>) and a lot of other provinces of Canada.

Photo of OPEQ located in Montreal:

A picture containing grass, outdoor, sky, house

Description automatically generated

**Client Description**

**Business Problem**

The problem that our client told us is that they are having a tough time recording the information of the customers, that calls them. They use an excel sheet to record the information but it takes a while to do it so some information might get mixed up with the others or forgotten completely. The solution that our client proposed is to make a desktop application that will make recording customer information fast and easy and it will also make the viewing of the records more organized.

Deliverable 1

*The client’s full name is Simon Provencher; he is a supervisor at a company named OPEQ, Dinal and Ibrahim’s former manager. He deals with computer components like hard drives, motherboards, RAM etc. The client is remarkably familiar with computers, so he is very skilled and has decent literacy, for example, he is quite familiar with Microsoft Office 365 apps like word, excel, etc. He is also familiar with databases as we used databases for items during the internship.*

*The business problem is that Simon wants a better way to fill out an excel sheet using an application. The application will help organise the data and make it easier to navigate. He wants to use an application because it will be clearer and more consistent to fill out rather than an excel sheet.*

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