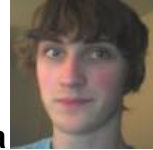


Several years ago, Sage Internet Solutions Ltd. worked with Pacific Mazda to create a system that allows dealers to simply enter a vehicle code (model Code & Option Code) which would query the database and generate the appropriate window sticker. The system would also allow dealers to enter accessories and apply them to a vehicle to generate a window sticker for a new vehicle (including all of the added accessories). The system is quite popular and is now used by about 30 Mazda dealers across Canada. A key feature of the system is that it adheres to Mazda's standard suggested retail pricing for the vehicle but allows each subscribing dealership to add their own unique database of accessories which may be applied to their vehicles.

Since its introduction, the Price-Sheet system has evolved into something that now requires a systems approach to design. Michael Stevulak (project sponsor) requested the help of a Camosun Capstone team to analyze the existing system improve upon it, and rewrite a new system that encompasses all of the necessary features without the bulk of the old Microsoft Access system.

The system will be used by a small number of administrators, at multiple dealerships, that are responsible for maintaining the database of vehicles and/or accessories. In addition, the new system may be ported for use at other Mazda dealerships.



David Klakurka

Role: *Project Manager*

Background:

- Familiar with project organization and management
- Adept in the use of *PHP*
- Strong documentation skills



Joseph Woolfrey

Role: *Database Designer / Linux Guru*

Background:

- Competent to create and work with *MySQL* databases
- Strong familiarity with *Linux* operating systems



Tylor Goudie

Role: *Interface design / Coder*

Background:

- Proficient visual-artistic skills
- Familiar with both *PHP* and *MySQL* languages



Michael Stevulak

Role: *Project Sponsor*

Background:

- President of *SAGE Internet Solutions Ltd.*
- Co-Owner of *Pacific Mazda*
- Strong understanding of internet marketing, eCommerce and business strategies
- Passion for teaching

The Project

Purpose

The purpose of the project is to analyze Pacific Mazda's existing Price-Sheet Information system and rewrite a new Price-Sheet system that is both an improvement as well as being entirely web-based (using *PHP/MySQL*).

System Overview

The new Price-Sheet system will retain all useful functionality while also both adding functionality as well as streamlining the system, to reduce unnecessary bulk.

The system needs to be easy to use for the administrators and well documented for ease of maintenance.

Challenges

The primary challenge for the team is time. With less than six weeks for development, progress needs to be consistent to meet each deadline.

The next biggest challenge is quality assurance & acceptance testing. The success of the project relies heavily on providing the Pacific Mazda administrators a system that is both functional and a pleasure to use.

The greatest part about the project is that it allows the Capstone team to exercise their skills that they have learned over the past two years. This allows the students to focus more on project documentation and time management and less on learning new technologies.

We would like to thank our project sponsor, Michael Stevulak, for not only providing us the opportunity but also for taking time out of his day each week to help us when we needed it. We'd also like to thank the Camosun College Computer Science department for helping to shape us into competent individuals that we have become.

Web-based Price-Sheet System

David Klakurka
Joseph Woolfrey
Tylor Goudie

*SAGE Internet Solutions Ltd.
Pacific Mazda*

