**PROJECT SUMMARY**

**Flash - Local Express**

*Adoption of Cloud Computing in the Industry*

Instructor:

**Mayra Samaniego MSc. Ph.D. (c)**

Members:

**Hai Nam Nguyen – 000520322 – nguyen0465@saskpolytech.ca**

**Cong Chi Tai Nguyen - 000516006 - nguyen6169@saskpolytech.ca**

**Xuan Hieu Nguyen – 000518043 – nguyen8191@saskpolytech.ca**

A logo with purple and grey stripes

Description automatically generated

# Introduction

Our project is oriented toward local restaurants that are limited to online orders through the phone or website. All restaurants in Saskatchewan have chosen a third-party application for online orders, including payment and delivery. However, they abandoned a traditional sales channel, which also required a delivery force separately for a confirmed time from customers. For each order, the server records requirements from customers in a simple bill, which can be separated into two parts transferred to the kitchen and tracked at the end of the day. For this reason, there are many potential problems, such as handwriting mistakes, revenue statistics errors, lack of drivers, late delivery, etc., due to manual working. By using AWS services as a supporting platform, our intention aims to create an application assisting control food order efficiently and solving deficiency of drivers in the delivery stage. Our application makes all stages easier than ever by multi-state order management, which provides real-time status updating from initiation to delivery, ensuring optimal control and coordination. Both restaurants and customers receive instant notifications and updates, enhancing communication and reducing uncertainty. By offering a dedicated platform for local restaurant deliveries, the app minimizes reliance on external delivery services, resulting in cost savings and increased control over the delivery process as well as creating more jobs for the workforce.

# Area of Research

Based on obtaining information from the owners of Vietnamese restaurants, we have a deeper comprehension of these businesses' difficulties. This way, the research scope will be shortened to the following main points.

* Firstly, we are going to enhance delivery services for local restaurants. For more detail, it aims to strengthen channels of communication, improve delivery precision, and improve the overall operation of restaurants.
* Secondly, this project dives deeper into the possible advantages that may arise from the implementation of cloud computing for delivery management.
* Lastly, we will examine which benefits local food delivery may bring or effect on employment and the economy.

# Objectives

The project aims to achieve two main objectives:

* + Implement a web application using Amazon Web Services (AWS)
  + Enhance the delivery process to empower restaurant owners in effective management.