Project Description

### Capstone Term 2 AIDI-2005-02

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# Summary Statement

We have endeavored to solve what is undoubtedly an age-old question; albeit one that has changed somewhat over time due to the rapid improvements in convenience.

What should I eat? This is an all too common problem facing many Canadians daily, morning, noon and night. Even if Canadians prefer to eat home cooked, healthy meals; many feel they have no option but to turn to restaurants or fast food options due to a lack of ideas or time.

As per Statistics Canada, around 54% of Canadians eat out once per week. That’s a fairly staggering statistic. And from those Canadians eating out, 40% choose to do so because they don’t know how to cook from the available ingredients they have, lack the time or motivation, or simply don’t know how to cook. (StatsCan Infographic (2019, January 10))

This has an adverse impact on their health and finances. We want to provide people with a way to make food at home easily and quickly by recommending recipes depending on their preferences and what ingredients they have available on hand. Eating out is costly both in terms of time and money. We aim to reduce those costs. Our goal is to inspire people to begin cooking for themselves and their families.

So, we want to make an expert system which will recommend the recipes to users as per their preference.

# Problem Statement

In general, Canadians face these general meal preparation problems;

#### Do not know what they can cook with the time they have available - [metric - time]

#### Do not always consider the ingredients they have in their home - [metric - ingredients]

#### Do not know the nutritional value of what they are eating [metric - nutritional value]

#### Are unsure of what regional dishes they may be able to make [metric - cuisine style]

# Project Objectives

We want to give users an option where they can search for recipes that they will like and are not aware about them

* Make a recommender system that will suggest recipes to users as per their choice of ingredients .Also provide them time for cooking and nutritional value
* Increase number of times user cooks at home as per available ingredients and time they have .This will help them to save money and have better healthy options

We want to provide people with a way to figure out what they can eat based on the amount of time they have to cook, the ingredients they have on hand, the type of cuisine they desire, and the nutritional value they are seeking. People all over Canada could be saving money while simultaneously honing a skill everyone should have. That being the ability to cook food for one's self.

As well, they will make an informed choice for eating healthy food. Anyone interested in saving money on eating out while simultaneously becoming more independent will benefit from this.We will make a recommender system for recipes.

# Needs Statement

As per Stat canada 54% candian eat food outside due to various reasons. And we will provide them with options to cook at home.It will give people the option to cook at home with choices of healthy recipes which they never existed before. This will help in increasing habit of cooking food at home and have a healthy diet.

# Project Scope

This will give recommendation to users as per recipes chosen by other users having high similarity among them. That similarity will be calculated by our algorithm.

It will not consider the level of difficulty of cooking a recipe and user’s skill.

# Financial Statements

Overall expenses for this project will be around 6000 CAd dollars .But it will help a user to save money in thousands every year .

The financial statements indicate the impact of the project on the company’s balance sheet and revenue over the specific period. This also holds the information on the funding of the project and how it would be done.