**Team 8 - Vacancy [Temp Name]**

**ITSC 3155 Final Project Proposal**

**Prepared by: Team 8**

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# 1 Introduction

Our goal is to create a means for individuals to more easily see where their skills are in demand in an attempt to help decrease unemployment rates. Vacancy will show users where in the US their desired talents are in demand. This will act as a springboard to push them forward in their career search.

## 1.1 Product Vision

For job seekers who are trying to find areas to start looking and applying for jobs, our project would allow individuals to quickly investigate the job market nationwide and see where their skills are in demand. Unlike other career sites, such as LinkedIn, that show you particular businesses, Vacancy gives a bigger picture view of the job market allowing individuals to properly assess where their skills would be most valuable and how to prepare for employment after graduation.

## 1.2 Customer Description

Our Customer/Audience is primarily directed towards prospective students as well as already established professionals within the job market who are interested in seeking employment where their skills are in demand and most valuable.

## 1.3 Project Scope and Objectives

This product will cover job availability in the United States based on search criteria. The user will enter in the desired salary along with the job title, and a heatmap of availability will be generated for the user. The heatmap will feature job frequency as well as job salary per sectioned area.

# 2 Project Resources

GitHub: <https://github.com/EBeese76/Group8-TheLaggers_Final_Project>

## 2.1 Group Members

1.Eric Beese

2. Jackson Pitcher

3. Alan Hafliger

4. Natalia Wnuk

## 2.2 Data

Data source:

<https://www.kaggle.com/varpit94/us-unemployment-rate-data>

Description:

The data set is a historical data set of US unemployment rates, provided by the US Bureau of Labor Statistics website. It spans from January 1948 to January 2021.