1. Introduction

1.1 Purpose

The purpose of this vision document is to illustrate the benefits of the proposed invoice system and outline the high level features of the EasyPay application. It focuses on the benefits and features useful for potential users and stakeholders.

1.2 Scope

This vision document applies to EasyPay which will be developed by group 5. Group 5 will develop EasyPay as a desktop application to work on windows based computers. EasyPay will provide a way for businesses of all sizes to track customer accounts, communicate with clients regarding payments, and view sales history. EasyPay will help automate and streamline administrative tasks involved with running a business in order to save businesses costly overhead and free valuable resources for higher level tasks.

2. Positioning

2.1 Business Opportunity

Growing businesses can get bogged down by daily administrative tasks, stunting their growth. In particular, sales staff in companies are required to spend much of their time on tasks involving previous sales instead of gaining new sales, such as payment reminders, resending invoices, and sending payment receipts. These tasks can easily be automated by software.

2.2 Problem Statement

The problem of	● No system for automatically generating and sending invoices ● No structured process for detailing user information
Affects	● Sales Department
The impact of which is	● Lack of communication between sellers and consumers ● Lack of means for keeping a record of sales ● Excess time spent on administrative tasks
A successful solution would include	A system that: ● Creates and sends invoices ● Stores user information ● Automates payment reminders

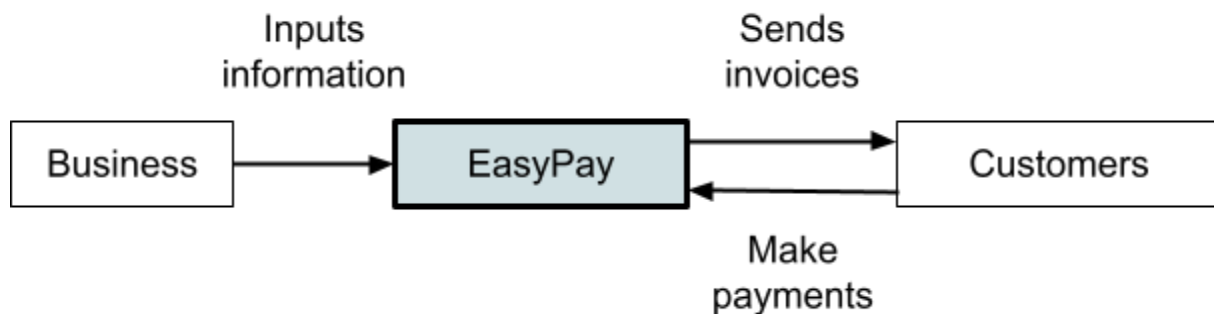### 3. Stakeholder and User Descriptions
3.2 Stakeholder Summary
- Name: Simon Stockton
  - Role: Software Engineer
  - Skills: Familiar with .Net and WPF and VSTO.
- Name: Lily Thompson
  - Role:Software Engineer
  - Skills: Working with C# in Visual Studio
- Name: Blake Hudson
  - Role: Software Engineer
  - Skills: Prior experience in C#.NET which includes using xaml to build GUI's.

3.3 User Summary
EasyPay will largely be used by two groups, consumers and business. For consumers EasyPay will function as a replacement for paypal. The other users of the app, businesses, using the app and a system of accounting, keeping track of the customers using the app to conduct commerce.

4. Product Overview

4.1 Product Perspective

4.2 Summary of Capabilities
EasyPay will send out automated invoices to customers at a specified date and provide a process for adding, updating, and finding customers in the system.

4.3 Assumptions and Dependencies
4.3.1 Users will first search for a customer to see if he/she already exists in the EasyPay system before adding a new customer.
4.3.2 Users will need a basic understanding on how to use the interface, possibly via training.

5. Product features

5.1 Stores customer info

Customer information should be stored to help record finances, in case of default, and as a means to save time if the customer orders from us again.

   5.1.1 Records a customer's method of payment

5.2 Provides transaction history of a selected customer
An easy process for finding customer history will allow users to catch possible errors and contact said customer if the need arises.

5.3 Automated emails sent for payment requests and invoices
An efficient automated system can lessen the chance for human error and save time when sending out a copious amount of invoices.

5.4 Stores the prices for products and services offered
Having the prices for products in the system will help with speed and lessening human error.

5.5 Allow customers to make payments online
Allowing customers to make payments upon receiving the invoice decreases the possibility of defaulting.

5.6 Provides a record of transactions
Having a record of all transactions will help with tax documentation and keeping finances in check.

5.7 Displays customers who have and have not provided payment
From the time the invoices are sent and until they are due, users can see the proportion of customers that currently have yet to make a payment.

5.8 Calculate the total amount owed by each customer
EasyPay will calculate the total sum owed for each customer before sending out each invoice.

5.9 Include safety measures to keep each consumer's information secure
Each consumer's information and history should not be accessible by unauthorized personnel; therefore, EasyPay should have some form of security in place to protect user privacy.

5.10 Send reminders for upcoming due dates
If a user believes a customer is at risk of defaulting, the user can have the system send a reminder of the upcoming date and payment owed.

6. Constraints
   For this project there will not be that many constraints. First, the most relevant constraint is learning how to using new C# libraries and add-ins such as VSTO. This takes important time away from implementing the software. The other major constraint this year is Corona, vastly limiting our abilities to meet up about the project.

9. Requirements

For this application we will be building a desktop application using C#.NET and Visual Studio Community Edition 2019 due to its robust plugins. The third party library we will be using for the email capabilities is Visual Studio Tools for Office(VSTO).