**Ecommerce Database & Website System**

**By: Austin C. Gomez**

**IS 412 Dr. Mok**

**A picture containing text

Description automatically generated**

Contents

[Synopsis 3](#_Toc89225075)

# Synopsis

1. **Project Synopsis**

My name is Austin Gomez, and I am the software architect and system analyst for this project. In this project, we were tasked with creating a project for an fictional company called ‘North Alabama Souvenirs and Gifts. This company would want to go into the ecommerce market. As a small company, the client is worried if it can afford the fees that an established ecommerce platform might incur such Amazon Marketplace. Thus, the company would ask for a small ecommerce project that can be easily managed and run

The idea behind the ecommerce site is so that the customer can easily access it and add items to the inventory along with creating sales, giveaways, and managing giveaways. Using an existing platform such as Amazon Marketplace or Wix would incur fees that the small business could not afford. Moreover, the customer would need an simple ecommerce project that they can pay an monthly fee to a webhost for.

1. **Team Members**

* Austin Gomez

Austin Gomez is the full-stack developer and system analyst for this project. He is a Senior at the University of Alabama in Huntsville (UAH) and studies Information Systems with a concentration in Cyber Security. Austin will use his skillset in software development, technical writing, and system analysis to successfully complete this project for the customer.

1. **Technical Stack**

The following technology shall be used to develop and run this project for the customer:

* + Django CMS

The Django CMS is a powerful development tool used to create web applications from scratch. We chose to use Django for several reasons.

Reason #1:

It is an open-source project that features frequent updates and fixes to security vulnerabilities. This makes patches from a system administrative viewpoint to be extremely streamlined, and it helps to ensure that the customer will not have to worry as much about hacking attempts from outdated and vulnerable software.

Reason #2:

The Django software features a powerful administrative area for the customer built-in and ready to deploy. The developer can then tailor the design of the administrative area to the needs of the customers.

Reason #3:

The developer of the project has familiarity with the Python programming language. In addition, hosting services, such as Amazon AWS, support and provide inexpensive hosting solutions for the customer.