

# Ecommerce Website Using Django

## **ALPHA WEB**

**By Team Alpha**

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CIS - 641 PROJECT

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# AGENDA

- Introduction
- Technologies Used
- Change Management Plan
- Project Screenshots
- GitHub Repository
- Project Demonstration
- Challenges Faced
- Future Improvements

# Introduction

This Web Development project deals with developing an E-commerce Website. It provides the user with a list of the different products available for purchase in the online store. A shopping cart is provided. After the products added into the cart, user can proceed to payment. The system is implemented using Python web framework - Django and SQLite for Database which comes with the framework.

The website will display products, customers can view and select products, customer can remove products from their cart specifying the quantity of each item. Selected items will be stored in a cart. At checkout, the items in the cart will be presented as an order. Customers can pay for the items in the cart through a payment portal to complete the order. The project also provides security with the use of login ID and passwords, so that no unauthorized users can access your account. Only authorized person with access authority can access the software.

# Technologies Used

- Framework - Django v3.2.8
- Database - SQLite

## Languages Used

- Python
- HTML
- CSS
- Javascript

# Change Management Plan

Provides guidelines for the adoption of the Alpha WEB E-commerce Application into a small business environment. This eCommerce application acts as a template for business that wants to integrate their business online and can expand their customer base. This will not only improve sales but also the user base. Having an alternative way to access a business is always beneficial as the sales can keep happening even if the other location is down. Customers can access the site 24/7.

To run and maintain the Website a computer engineer is required. The engineer shall be trained to use the application and basic maintenance operations will be taught. A well-documented pdf that provides a step-by-step description of application usage shall be provided.

# What changed since midterm

- Website runs...
- Debugging was a priority.
- Functionalities had to be cut down.

# How to run the project

1. Clone the repository with the following command.

```
git clone https://github.com/gonehitesh/GVSU-CIS641-Alpha.git
```

2. cd into the project directory.

```
cd GVSU-CIS641-Alpha/website/alphaweb/
```

3. Create a virtual environment.

```
python -m venv env
```

```
env\Scripts\activate
```

4. Install the requirements and run the server.

```
pip install -r requirements.txt
```

```
python manage.py runserver
```

5. Access the website at <http://127.0.0.1:8000/>

# Project Demonstration





# Cookie Function

views.py

```
def store():  
.....  
return
```

```
def cart():  
.....  
return
```

```
def checkout():  
.....  
return
```

utils.py

cookieCart()



# GitHub Repository

Link - <https://github.com/gonehitesh/GVSU-CIS641-Alpha.git>

master 1 branch 0 tags

Go to file Code

About

This branch is up to date with master. Contribute

pvkr105 Update software\_requirements\_specification\_final.md ✓ e5e4158 4 minutes ago 103 commits

artifacts	Delete Customer Use case Description.pdf	12 hours ago
docs	Update software_requirements_specification_final.md	4 minutes ago
meetings	Create GVSU-CIS641-ALPHA-2021-12-09.md	13 hours ago
src	Folder structuring	2 years ago
tests	Folder structuring	2 years ago
website	Add files via upload	12 hours ago
LICENSE	Initial commit	2 years ago
README.md	Update README.md	12 hours ago
_config.yml	Set theme jekyll-theme-cayman	3 months ago

README.md

## Alpha WEB

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## Introduction

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Readme

GPL-3.0 License

Releases

No releases published

Packages

No packages published

Languages

Python 49.6% HTML 40.8% JavaScript 4.8% CSS 4.8%

# Challenges Faced

- Working with the latest versions of the framework.
- Debugging the Website
- Minimised Functionalities
- Functional & Non Functional Requirements.

# Future Improvements

- Categories Section
- Wishlist
- Live availability
- Improved UI
- Stability
- Consent form

Thank you.

