

TOPAZ

Moath Gharib

12.01.2020

Version 0.0.1

REVISION HISTORY			
DATE	VERSION	DESCRIPTION	AUTHOR
12.01.2020	0.0.1	The first version of the ecommerce project	Moath Gharib

Table of Contents

INTRODUCTION	3
PURPOSE3	
INTENDED AUDIENCE AND PERTINENT SECTIONS	3
PROJECT SCOPE	3
DOCUMENT CONVENTIONS	3
REFERENCES	3
DESCRIPTION	3
PRODUCT PERSPECTIVE	3
FEATURES	3
USER OVERVIEW	3
OPERATING ENVIRONMENT	3
CONSTRAINTS: IMPLEMENTATION / DESIGN	3
DOCUMENTATION	3
ASSUMPTIONS / DEPENDENCIES	3
SYSTEM FEATURES	3
SYSTEM FEATURE 1	3
SYSTEM FEATURE 2	3
SYSTEM FEATURE 3	3
REQUIREMENTS OF EXTERNAL INTERFACE	3
USER INTERFACES	3
HARDWARE INTERFACES	3
SOFTWARE INTERFACES	3
COMMUNICATION INTERFACES	3
ADDITIONAL NONFUNCTIONAL REQUIREMENTS	3
PERFORMANCE	3
SAFETY 3	
SECURITY	3
SOFTWARE QUALITY	3
APPENDICES	3
APPENDIX A: GLOSSARY OF TERMS	3
APPENDIX B: ANALYSIS DOCUMENTATION	3
APPENDIX C: ISSUES	3

INTRODUCTION

PURPOSE

The purpose of this document is to build an online system to manage the shopping of your accessories and guarantee that all your items are homemade.

INTENDED AUDIENCE AND PERTINENT SECTIONS

Anyone can use this website, view the services, showing the items, and the registered users can buy any items he/she wants.

but only the admin can post an item

PROJECT SCOPE

The purpose of the online ecommerce system is to ease shopping and to create a convenient and easy to use website for customers, trying to buy products.

The system is based on a relational database with its ecommerce management.

This project involves the design and development of a new ecommerce platform for use by. The client's current site doesn't rank highly enough on common search engines and the site is low.

The new site requires an SEO strategy and the implementation of analytics so that campaign effect and performance can be monitored. The site must be simple to use and requires access to enable multiple users to upload new products, images, content and metadata.

DOCUMENT CONVENTIONS

DB	Database
MVC	Model, View, Controller
LARAVEL	PHP Framework

REFERENCES

1. <https://stackoverflow.com/>
2. <https://medium.com/>
3. <https://slashdot.org/>
4. <https://laravel.com/>
5. <https://www.php.net/>

DESCRIPTION

PRODUCT PERSPECTIVE

Facilitate the shopping process for people and guarantee that all products are homemade

FEATURES

The main features of this project is the admin panel that can control of everything of the website.

OPERATING ENVIRONMENT

Operating environment for the ecommerce system is as listed below.

- a. Distributed database
- b. Client server system
- c. Operating system: Windows
- d. Database: sql
- e. Platform: Laravel/php

CONSTRAINTS: IMPLEMENTATION / DESIGN

- 1. VS Code
- 2. Draw.io
- 3. Edraw application

DOCUMENTATION

The project will be delivered by GitHub with notice, follow these steps to operate the site:

- 1. Clone GitHub repo for this project locally [git clone project Name]
- 2. cd into your project [cd project Name]
- 3. Install Composer Dependencies [composer install]
- 4. Install NPM Dependencies [npm install]
- 5. Create a copy of your .env file [cp. env.example .env]
- 6. Generate an app encryption key [php artisan key: generate]
- 7. Create an empty database for our application in PHP MyAdmin
- 8. In the .env file, add database information to allow Laravel to connect to the database [DB_HOST, DB_PORT, DB_DATABASE, DB_USERNAME, DB_PASSWORD]
- 9. Migrate the database [php artisan migrate]

ASSUMPTIONS / DEPENDENCIES

As we know not all people love to shopping online, some of them like to go to the market by themselves to buy their stuff and they consider it as a hobby.

SYSTEM FEATURES

SYSTEM FEATURE 1

DESCRIPTION AND PRIORITY	Last 10 product review when the user opens the home page
STIMULUS / RESPONSE SEQUENCES	The user can contact the admin and the will respond as soon as possible
FUNCTIONAL REQUIREMENTS	A contact us page are located at the top of the page that user can move to it easily.

REQUIREMENTS OF EXTERNAL INTERFACE

ADMIN/USER REQUIREMENTS:

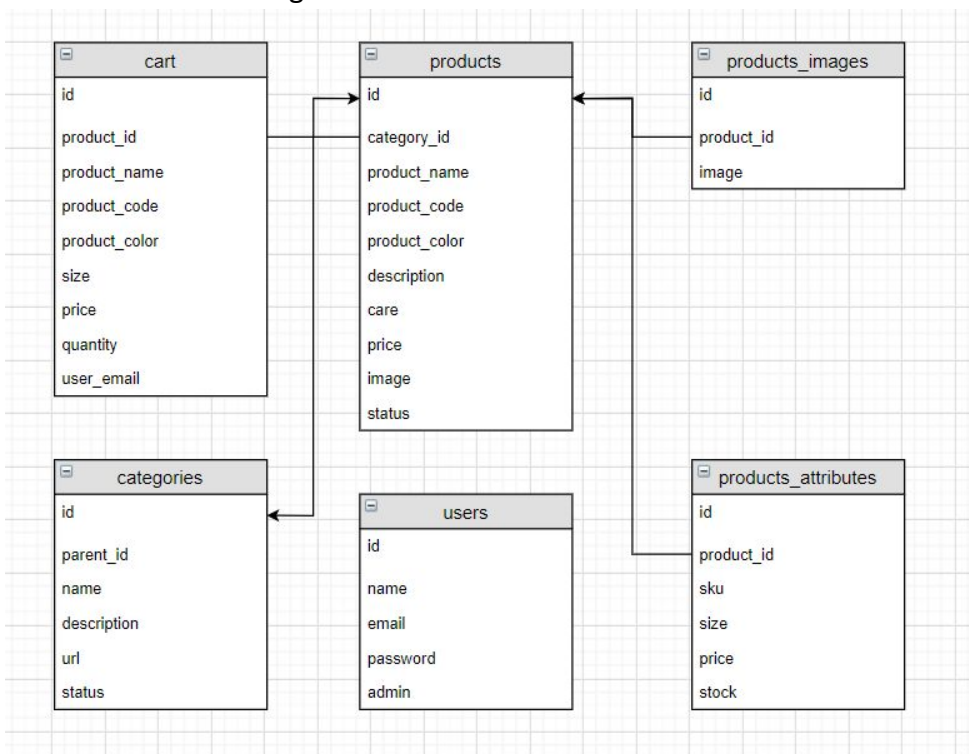
This is sum of the admin/user interface:

Functional Requirements:

1. The admin can add, edit and delete categories
2. The admin can add, edit and delete products
3. Also, the admin can login and logout
4. The user can Add, edit and delete an item in the card
5. The user can show the items that the website offer
6. The admin can add, edit and delete images for products.
7. The admin can add, edit and delete attributes for products

Database Design

Database schema design:



SOFTWARE INTERFACES

Following are the software used for the ecommerce website.

Software used	Description
Operating system	I have chosen windows operating system for its best support and user friendliness.
Database	They were designed and built on php myadmin with MySQL.
View	There were designed with php Laravel frame work

COMMUNICATION INTERFACES

This project supports all types of web browsers such as Chrome, Firefox and Safari.

ADDITIONAL NONFUNCTIONAL REQUIREMENTS

PERFORMANCE

I don't expect a high performance for my project because I don't have that experience with building websites.

SAFETY

If there is extensive damage to a wide portion of the database due to catastrophic failure, such as a disk crash, the recovery method restores a past copy of the database that was backed up to archival storage (typically tape) and reconstructs a more current state by reapplying or redoing the operations of committed transactions from the backed-up log, up to the time of failure.

SECURITY

Security systems need database storage just like many other applications. However, the special requirements of the security market mean that vendors must choose their database partner carefully.