**E-COMMERCE APPLICATION DEVELOPMENT**

APP NAME: ARHA-CONNECTING ARTISANS

DESCRIPTION:

The foremost motive is to develop a simple and user-friendly e-commerce application using flask framework. The app was developed to help the local and skilled artisans to showcase and sell their handmade products to global audience. The technologies used are html, CSS for front end, SQLite for database and the backend framework is flask.

As beginners ,in this project we implemented basic features of an e-commerce app such as register, login, search, cart, add to cart, payment, remove items from cart, clear cart, get pdf of the invoice, categories, product, logout.

Many more features can be updated such as wish list, reviews.

This is a simple e-commerce app named ARHA which comes up with basic features.

REQUIREMENTS:

All the below requirements are to be satisfied for this code.

alembic==1.4.2

appdirs==1.4.3

astroid==2.3.3

bcrypt==3.1.7

certifi==2019.11.28

cffi==1.14.0

Click==7.0

distlib==0.3.0

filelock==3.0.12

Flask==1.1.1

Flask-Bcrypt==0.7.1

Flask-Login==0.5.0

Flask-Migrate==2.5.3

flask-msearch==0.2.5

Flask-SQLAlchemy==2.4.1

Flask-Uploads==0.2.1

Flask-WTF==0.14.3

isort==4.3.21

itsdangerous==1.1.0

Jinja2==2.11.1

lazy-object-proxy==1.4.3

Mako==1.1.2

MarkupSafe==1.1.1

mccabe==0.6.1

pdfkit==0.6.1

pipenv==2018.11.26

pycparser==2.19

pylint==2.4.4

python-dateutil==2.8.1

python-editor==1.0.4

six==1.14.0

SQLAlchemy==1.3.13

virtualenv==20.0.4

virtualenv-clone==0.5.3

Werkzeug==0.15.6

wrapt==1.11.2

WTForms==2.2.1

These are also given in the requirement.txt which is available in the coding folder.

NAVIGATION OF THE WEBSITE:

Once you setup the environment and have all the requirements installed on the system the code can be run.

* First the register page opens. Once registered there will be a redirection to login page.
* After a successful login there will be a redirection to home page.
* The Home page has the navigation to products page, categories page, accounts page, carts, and logout option.
* As you navigate to any one the respective page opens.
* Once you move to the products page you can either touch the product, view its description then add to cart or you can just add the product to the cart without moving to the individual products page.
* Once you have pressed the add to cart button the product will be directly added to the cart.
* No issues you can also remove the product from cart by just clicking the delete button.
* Once you have your shopping done you can easily move to the checkout process by clicking on the order now button.
* After pressing order now, you will be redirected to the payments page.
* If you press pay with card then you can proceed to payment by using card(now only pay with card feature is available).
* Enter the particulars required and pay.
* Before you pay the status is pending after payment is done successfully the status is paid.
* You can also receive the invoice by pressing get pdf.
* The admin has the privilege to add/delete/update products/categories to the database.
* If you want to perform add/delete/update products/categories then you must register and login as an admin.

This is the navigation of the website.

FEATURES AVAILABLE:

* Search bar
* User authentication
* Cart
* Add to cart
* Clear cart
* Payment gateway
* Smooth checkout
* Get invoice pdf

DEVELOPING TOOLS USED:

* Visual Studio Code
* Python 3.11.5
* Notepad
* Dbeaver

TECHNOLOGIES USED:

* HTML
* CSS
* FLASK
* SQLITE
* STRIPE (for payment)

Ensure that the system contains python, flask and the requirements mentioned above to make is code work.