

# ***E-COMMERCE WEBSITE FOR SELLING LEATHER PRODUCTS***

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*lavand*

LAVANDER LIFE  
WEBSITE

# ***-TEAM MEMBERS***

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- ***1- Loay Ashraf***
- ***2- Omar Hassan***
- ***3- Abdelrahman Mohmed***

# ***-DESCRIPTION OF THE PROJECT***

This project aims to develop a website to sell various leather products such as bags, wallets, and belts. The website provides users with a comfortable and safe online shopping experience with an attractive and easy-to-use user interface.

## ***\*Main Features:\****

- 1. \*Distinctive home page:\**** Displays best-selling and new products, with a banner for special offers.
- 2. \*Product pages:\**** Provide comprehensive details about each product, including high-quality images, descriptions, and customer ratings.
- 3. \*Shopping cart:\**** It enables users to add products, modify quantities, and go to checkout easily.
- 4. \*Payment page:\**** It includes multiple options for safe and easy payment.
- 5. \*User Account:\**** Allows users to manage their accounts, follow up on previous orders, and save favorite products.
- 6. \*Administration Panel:\**** It allows the project owner to manage products, orders, and users effectively.



# ***SECURITY METHODS :***

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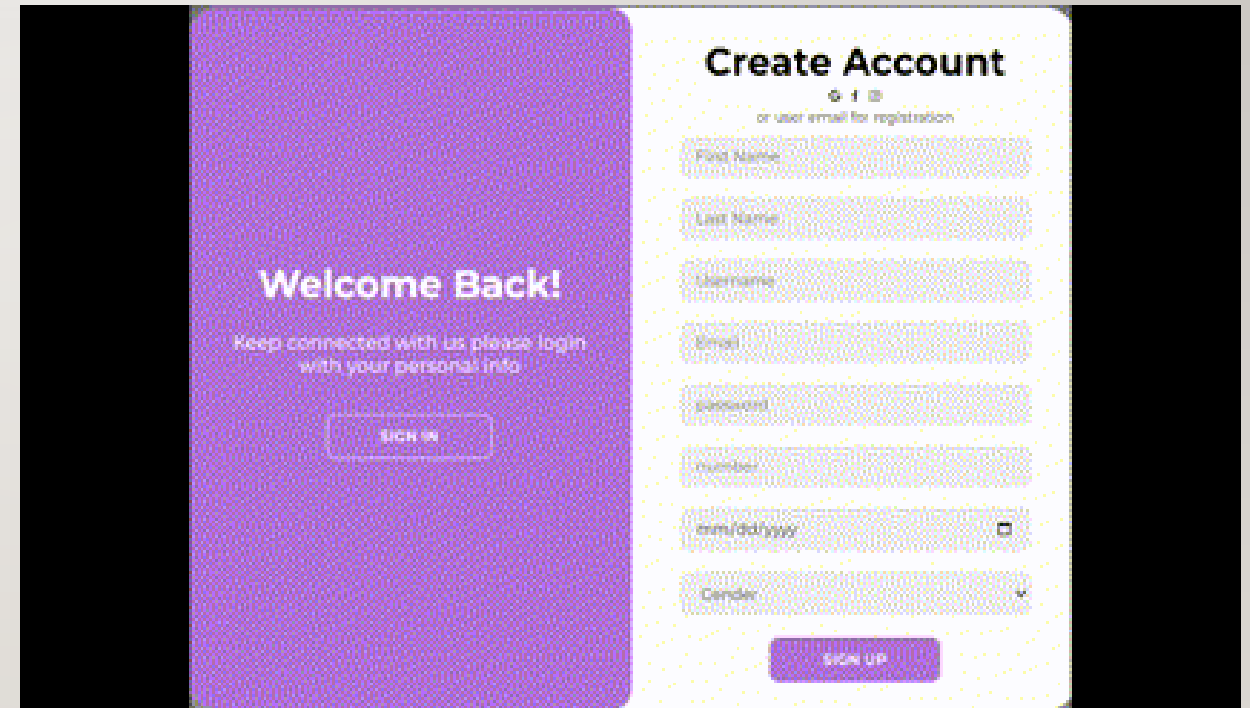
- ***Hashing (bcrypt) for passwords / database / coding***
- ***Authentication sessions***
- ***Authorization users***
- ***SSL (HTTPS)***



# FEATURES :

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- *email verification with Token Authentication*
- *session cookies*
- *security payment with PayPal*
- *cart 🛒 ( add / remove / delete )*
- *notification in personal email for every order*



# FEATURES :

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- *admin page with full access on website*
- *membership authorisation levels ( warehouse / purchases / sales / marketing)*
- *inventory control ( available stock / low stock warnings etc.. )*
- *sales ( most sales / low sales / view all items orders)*
- *users purchases history*
- *CREATIVE UI / UX*
- *best performance loading*



# - **LEARNING OBJECTIVES**

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- *- Analyze and address technical challenges related to security, performance,*
- *and scalability.*
- *- We will learn how to fully develop an e-commerce website .*
- *- Learn to use Html , Css , Bootstrap , Js and Angular to design an attractive*
- *and responsive user interface.*
- *- Understand using Python , Flask with MYSQL to build backend and manage*
- *database.*





# ***-TECHNOLOGIES USED***

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- ***- FRONTEND: HTML , CSS , BOOTSTRAP , JS , ANGULAR .***
- ***- BACKEND: PYTHON , FLASK .***
- ***-DATABASE : MY SQL .***

# ***FRONT-END PROGRAM LANGUAGE***

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**HTML**



**CSS**



**JS**



# ***BACK-END AND DATA-BASE PROGRAM LANGUAGE***

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# ***FRAMEWORK USED***

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# **-CHALLENGES**

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- **- ENSURING DATA SECURITY AND SECURE PAYMENT PROCESSING.**
- **- ENSURING GOOD WEBSITE PERFORMANCE AND FAST LOADING.**
- **- DEALING WITH THE SITE'S ABILITY TO EXPAND TO HANDLE INCREASED REQUESTS AND USERS.**
- **- ANALYZE THE DATABASE GRAPH AND LINK THE TABLE TOGETHER**