TECH UIDE

unix final project

TECHUIDE

ECOMMERCE

Project Structure

```
TechUIDE-UNIX-Admin-System/
├── 📁 .git/                        # Version Control
├── 📁 assets/                      # Static Resources
│   └── 🖼️ LOGO.png                # Brand Identity
├── 📁 modules/                     # Core Functionality
│   ├── 🔧 permissions_links.sh
│   ├── 🔧 create_files_dirs.sh
│   ├── 🔧 manage_files.sh
│   ├── 🔧 compression_patterns.sh
│   └── 🔧 project_architecture.sh
├── 🚀 main.sh                      # Entry Point
├── 📖 README.md                    # Documentation
└── ⚖️ LICENSE                      # Legal Information
```

Main.sh

Menu Structure

```
=== USER MENU ===

1. View Project Structure
2. File Management
3. Compression & Search
4. Create/Reset Structure      ← Admin only
5. Permissions & Links         ← Admin only
6. Exit
```

- Acts as a gateway by welcoming and authenticating users.
- Serves as a control center by displaying a menu and directing user selections to the correct modules.
- Integrates modules by loading other specialized scripts as needed to perform different tasks.

Outputs of the main project program.

create_files_dir.sh

- Option 4 is the "Create/Reset Structure" functionality that generates a complete e-commerce file system with realistic data. It's the foundation builder of the TechUIDE system.

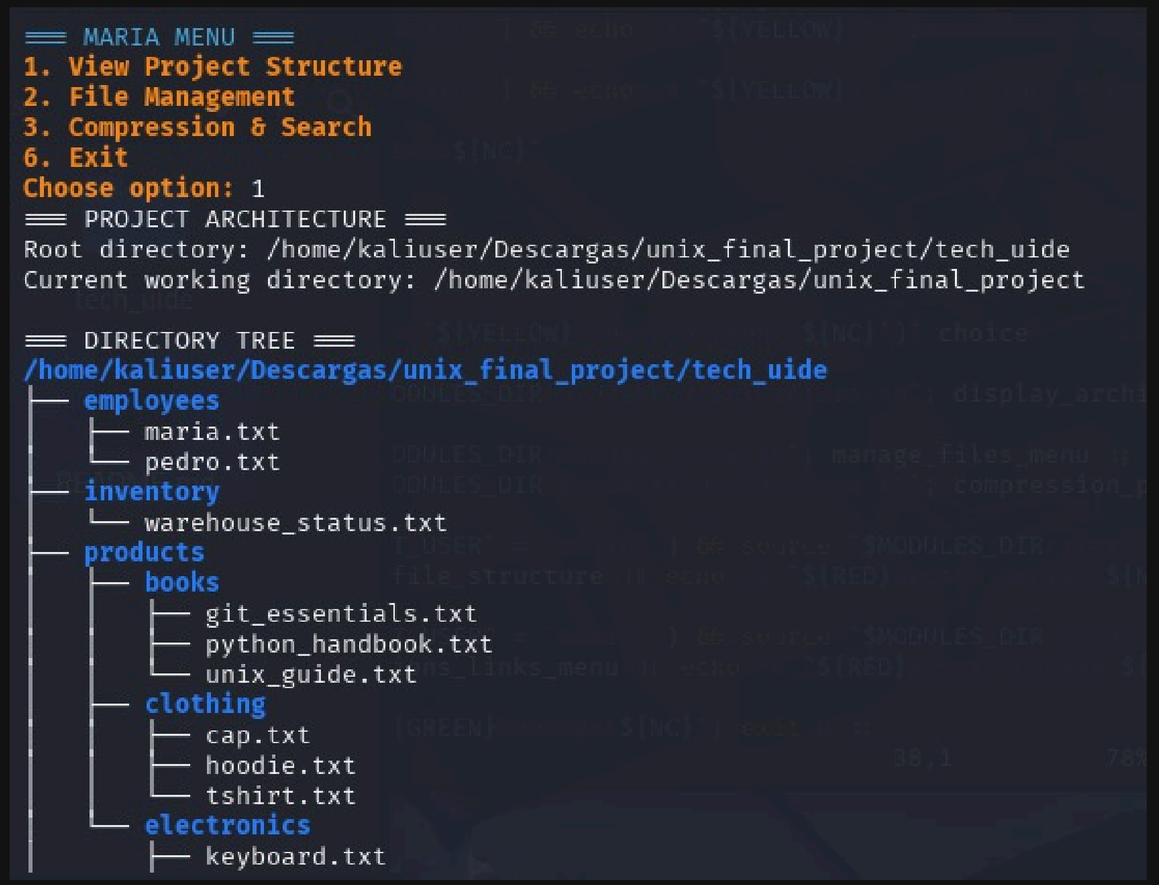
Property	Value
File Name	`create_files_dirs.sh`
Size	4.7KB
Lines of Code	201
Purpose	E-commerce File Structure Generator
Access Level	Admin Only

Generated Structure

```
tech_uide/
├── products/
│   ├── electronics/
│   │   ├── laptop.txt
│   │   ├── keyboard.txt
│   │   └── mouse.txt
│   ├── clothing/
│   │   ├── tshirt.txt
│   │   ├── hoodie.txt
│   │   └── cap.txt
│   └── books/
│       ├── unix_guide.txt
│       ├── python_handbook.txt
│       └── git_essentials.txt
├── inventory/
│   └── warehouse_status.txt
├── sales/
│   └── daily/
│       └── sales_2025-06-19.txt
├── reports/
│   └── financial/
│       └── Q1_2025_report.txt
└── employees/
    ├── maria.txt
    └── pedro.txt
```

View Project Structure

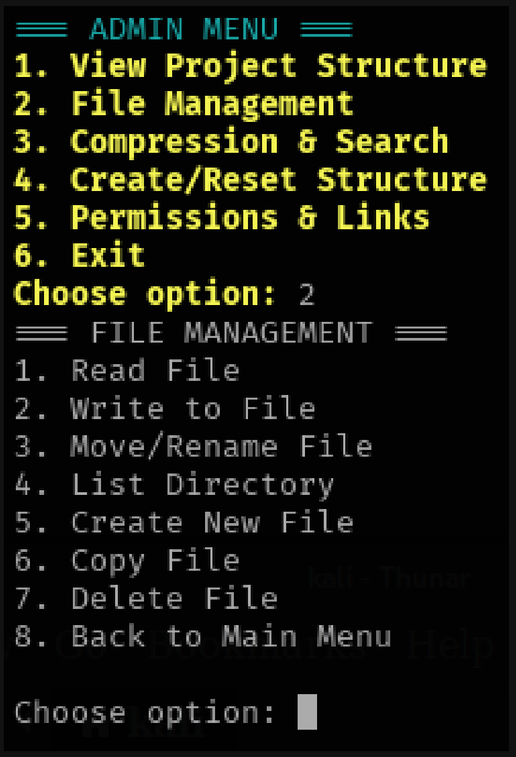
- Option 1 is the "View Project Structure" functionality that generates the complete structure of the system with its directories and folders. Structure of the TechUIDE system.



File Management

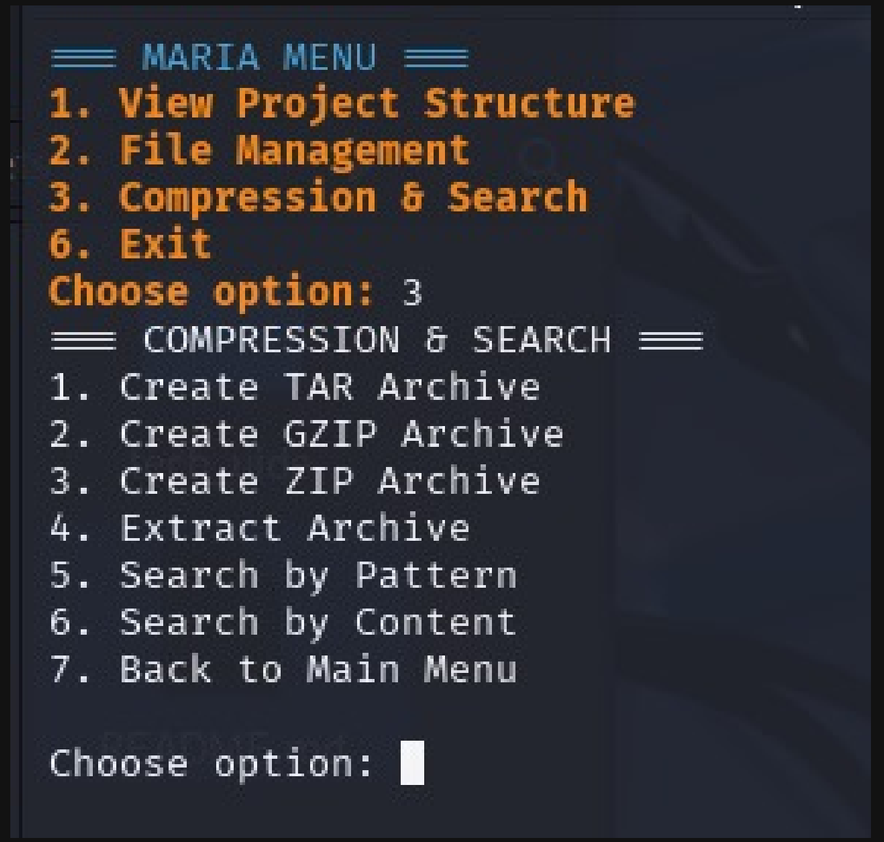
- Option 2 is the "File Management"

The File Management module provides essential tools for handling files and directories within the tech_uide system. It allows users to create, delete, move, and rename files or folders, helping simulate common administrative tasks in a UNIX environment. The module also supports interactive navigation through directory structures to perform operations easily. It enhances the user experience by offering practical file handling in a structured, menu-driven format..



Compression and Search

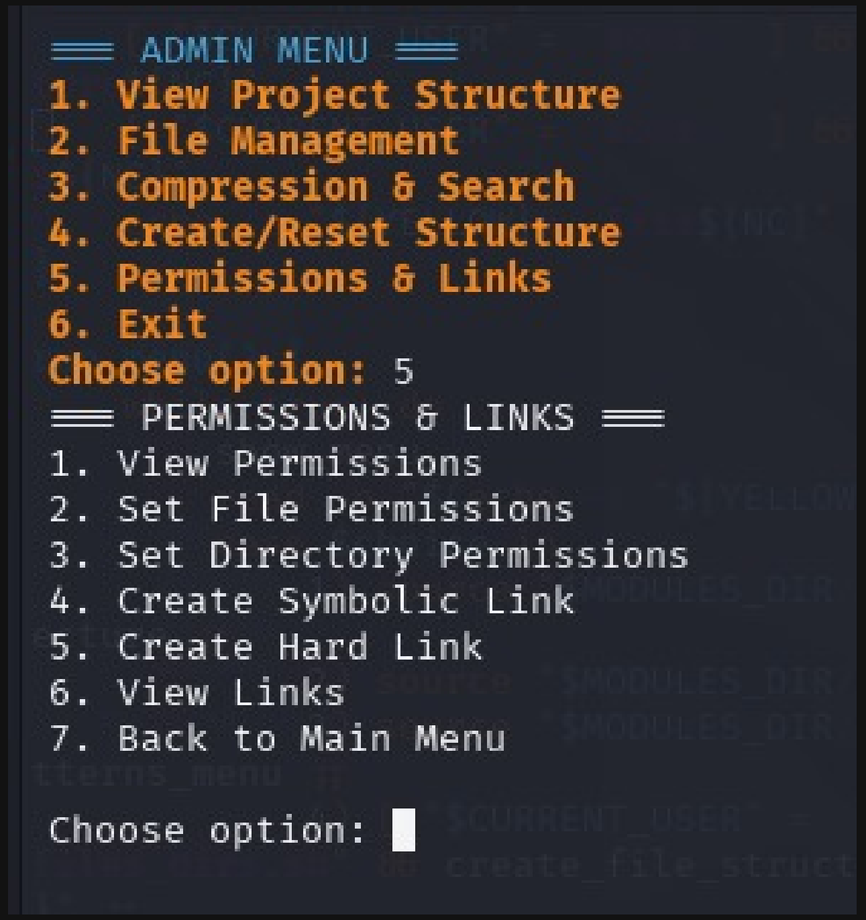
- Option 3 is the "Compression and Search" functionality that generates menu with multiples options of compress and search. Compression and search of the TechUIDE system.



Permissions and Links

- Option 5 This is the “Permissions and Links” feature.

It generates a menu with multiple permissions and links options for viewing and creating permissions and links in the TechUIDE system.

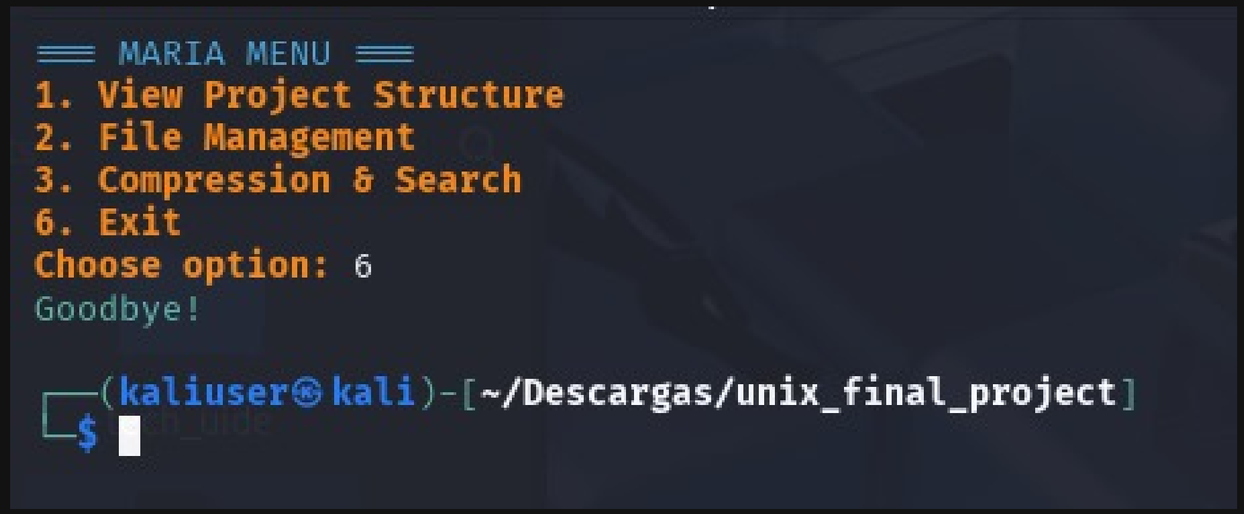


Exit

- Option 6 This is the “Exit” function.

It generates the maria (employee) system exit.

Exit in the TechUIDE system.



Thank you