

Entertainment_Center_Operations_Management app/

- |-- **main.py**: This is the entry point of the application. It initializes the main application window and handles navigation between different pages.
- |-- **Authentication.py**: This module handles user authentication and access control. It contains the LoginPage class, which represents the login page of the application.
- |-- **config & Settings.py**: config.py: This module manages global parameters and user-specific settings. It contains the Settings Page class for configuring various settings and checkboxes or switches. Accessed by Admins only.
 - For example: System Language AR & EN, sending reports daily at 12 AM via telegram or Signal or WhatsApp, input number of branches to be used in Db schema, input number of units available for rent, system theme light and dark and any other global parameters need to be configured.
- |-- **inputs.py**: This module handles naming, labeling, and setting inputs like branch names, employee names, inventory prices, and user access levels. It contains the Inputs Page class with dedicated methods for each functionality.
- |-- **transactions.py**: This module is responsible for recording revenues and expenses, Purchase and selling inventory, managing hourly unit rentals, and billing. It contains the Transactions Page class with methods for handling transactions.
- |-- **reports.py**: This module generates reports, including daily, monthly, and annual revenue reports. It contains the Reports Page class for report generation.

- |-- **utils.py**: This module includes utility functions used throughout the application, such as data validation and calculations.
- |-- **gui.py**: This module defines the main application window layout and design. It organizes navigation between different modules and pages.
- |-- **data_manager.py**: This module handles data storage and retrieval. It interacts with files (e.g., JSON) and a database (SQLite3) for data management.
- |-- **tests/** This directory contains unit tests and integration tests to ensure the correctness and reliability of the application.
- |-- **DataBase/** This directory stores data files, including user data, inventory data, and transaction data.
 - | |-- **Users.db**
 - | |-- **Employees. dB**
 - | |-- **Inventory pricing & Qty .db**
 - | |-- **Transactions by type Revenues, Expenses & Payment by type Cash or Visa. dB**
 - | |-- **Branches**
 - | |-- **Units for Rent**
- |-- **Pages or Frames Templates/** This directory contains template files for each GUI page. These templates are used by the corresponding page classes for layout and design.
 - | |-- **login_page_template.py**
 - | |-- **settings_page_template.py**
 - | |-- **inputs_page_template.py**
 - | |-- **transactions_page_template.py**
 - | |-- **reports_page_template.py**