

Admin_Gui

- app: LibrarySystem
- admin: Admin
- books_display: Text
- search_entry: Entry
- add_button: Button
- inventory_button: Button
- remove_button: Button
- search_button: Button
- logout_button: Button
- + __init__()
- + display_books(books_df: DataFrame)
- + handle_logout()
- + search_books()
- + view_inventory()
- + remove_book()
- + add_book()
- + book_details(): dict
- + update_display(text: str)

User_Gui

- app: LibrarySystem
- user: User
- books_display: Text
- search_entry: Entry
- add_button: Button
- cart_button: Button
- remove_button: Button
- search_button: Button
- logout_button: Button
- checkout_button: Button
- filter: StringVar
- + __init__()
- + display_books(books_df: DataFrame)
- + handle_logout()
- + search_books()
- + view_cart()
- + add_to_cart()
- + remove_from_cart()
- + checkout()
- + update_display(text: str)
- + get_selected_book_title(): str