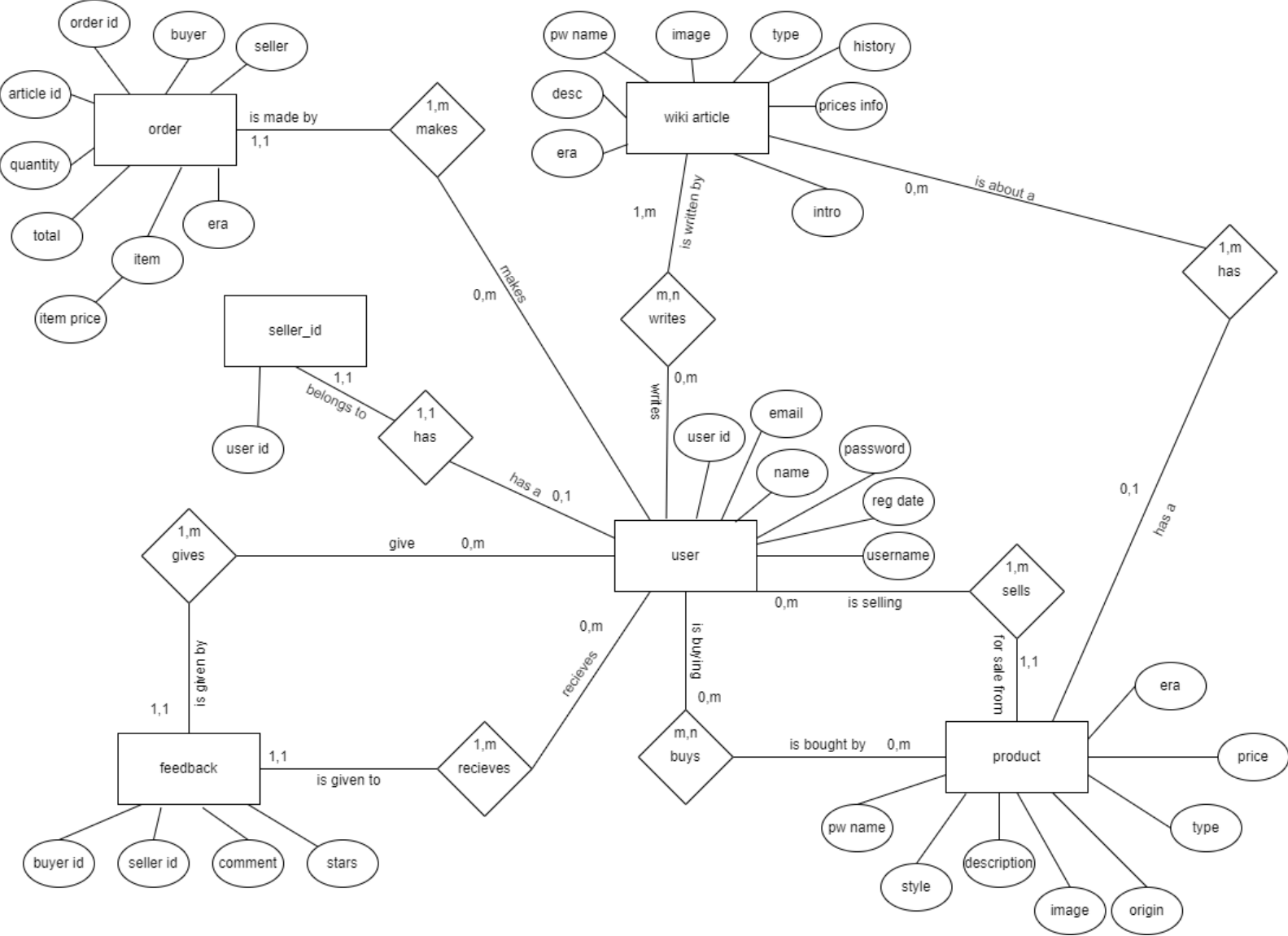
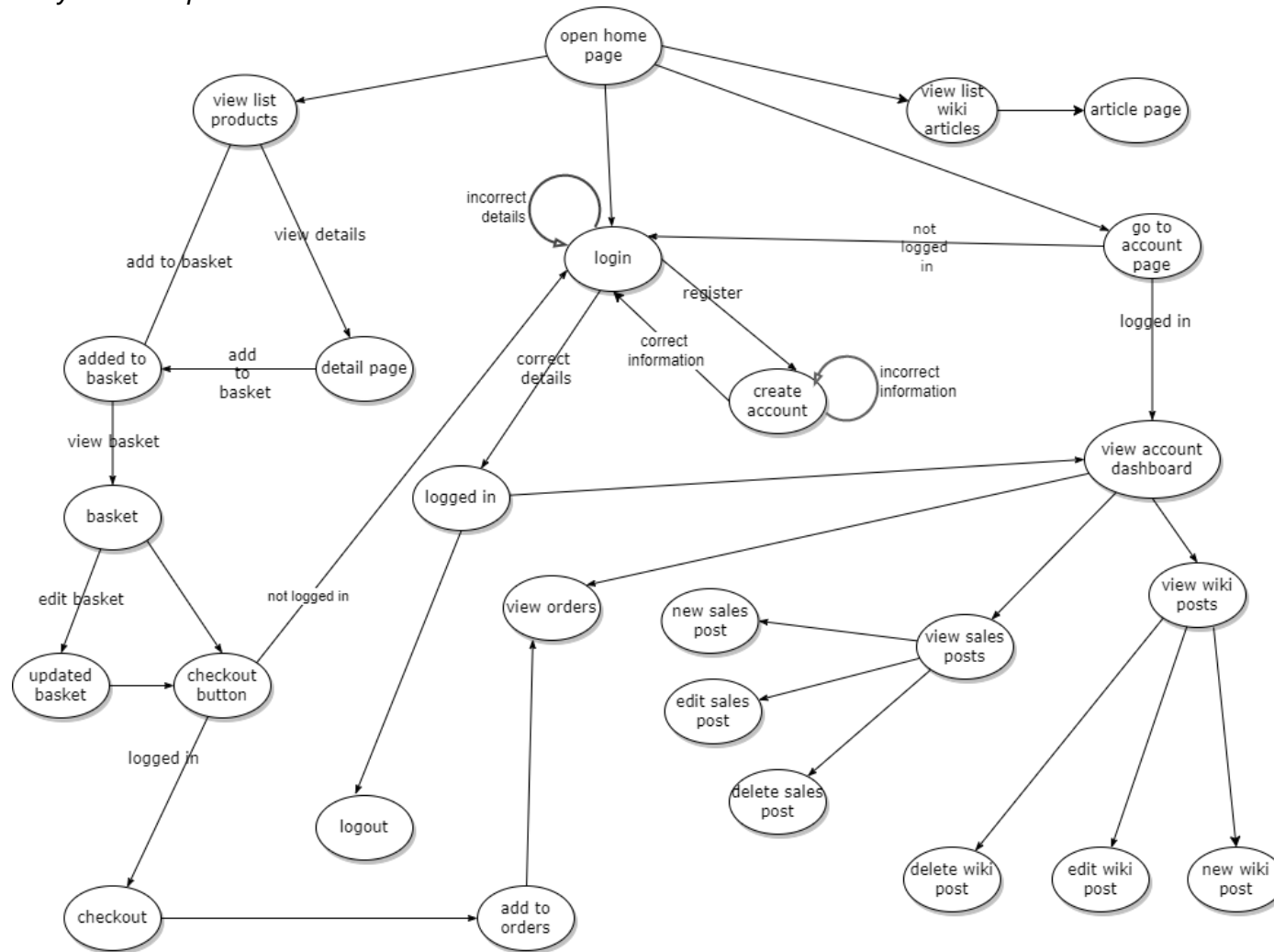


Relationship Diagram

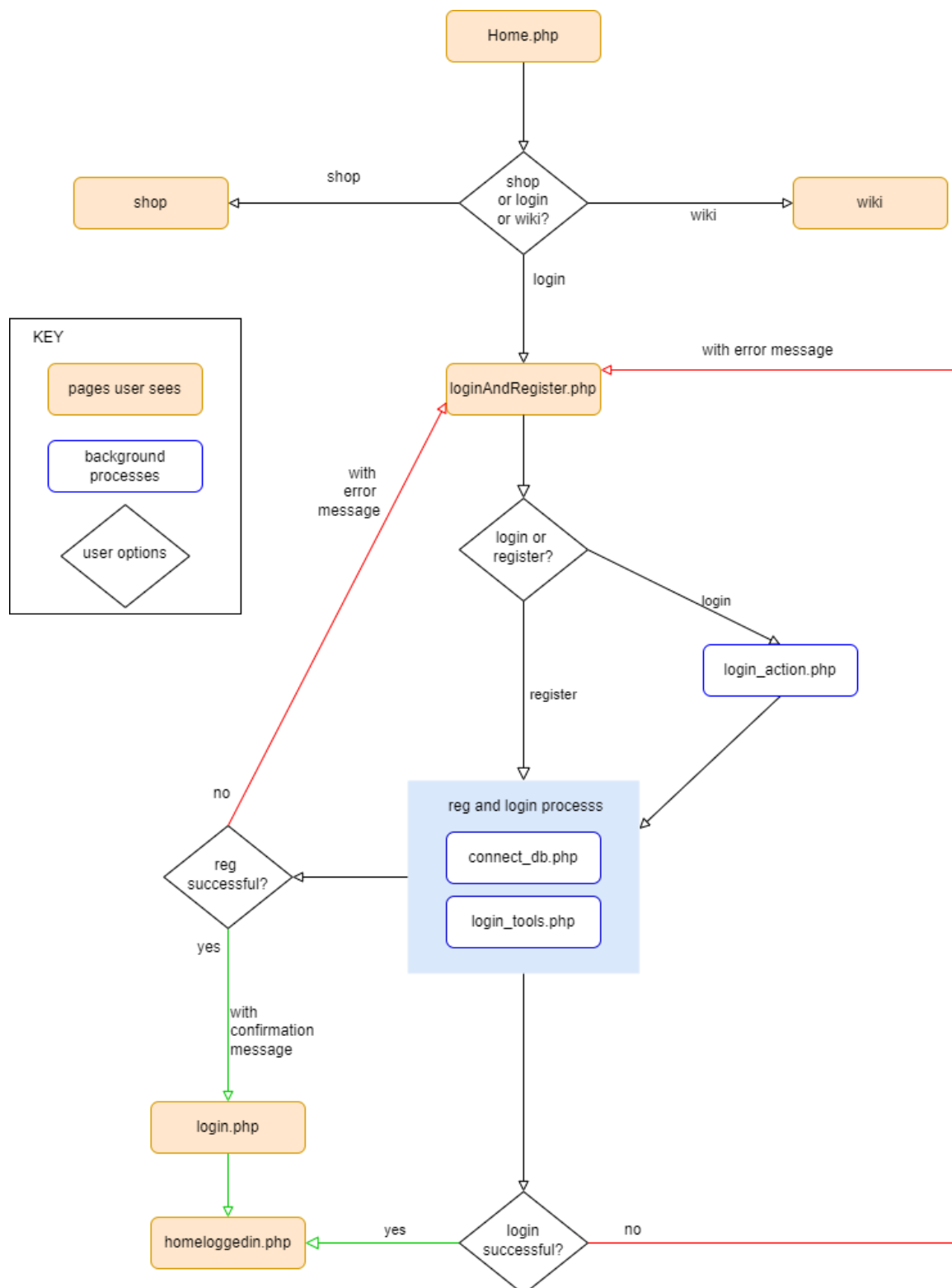


## Cyclomatic Complexity Flow Graph

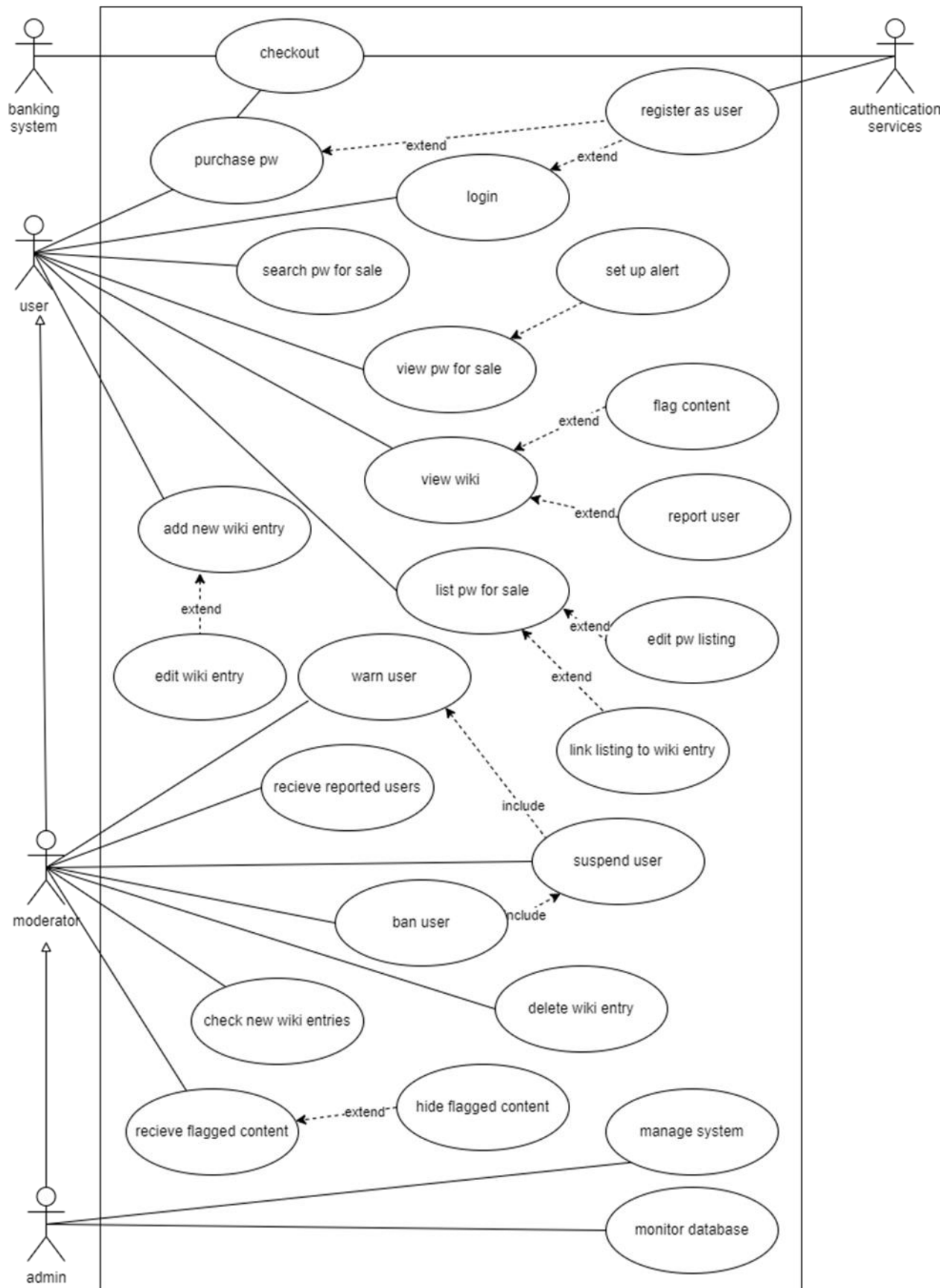


$V(f) = (e-n) + 2$   
 number of independent paths through program

Decision flow graph of the registration process



# Glass Galore Use Case Diagram



```
graph TD
    checkout((checkout)) --> login((login))
    register((register as user)) --> login
    view_orders((view my orders)) --> login
    view_pw_sale((view pw for sale)) --> login
    search_pw_sale((search pw for sale)) --> login
    add_wiki_entry((add new wiki entry)) --> login
    view_wiki((view wiki)) --> login
    list_pw_sale((list pw for sale)) --> login

    login --> logout((logout))
    login --> edit_basket((edit basket))
    login --> view_basket((view basket))
    login --> view_pw_details((view pw details))
    login --> add_pw_basket((add pw to basket))
    login --> set_alert((set up alert))
    login --> delete_wiki_entry((delete wiki entry))
    login --> edit_wiki_entry((edit wiki entry))
    login --> flag_content((flag content))
    login --> report_user((report user))
    login --> delete_sales_entry((delete sales entry))
    login --> edit_sales_entry((edit sales entry))
    login --> link_listing_wiki((link listing to wiki entry))

    login -.->|include| checkout
    login -.->|include| view_orders
    login -.->|include| view_pw_sale
    login -.->|include| search_pw_sale
    login -.->|include| add_wiki_entry
    login -.->|include| view_wiki
    login -.->|include| list_pw_sale

    edit_basket -.->|extend| view_basket
    set_alert -.->|extend| view_pw_details
    add_pw_basket -.->|extend| view_pw_details
    add_pw_basket -.->|extend| view_pw_sale
    delete_wiki_entry -.->|extend| edit_wiki_entry
    flag_content -.->|extend| view_wiki
    report_user -.->|extend| view_wiki
    delete_sales_entry -.->|extend| list_pw_sale
    edit_sales_entry -.->|extend| list_pw_sale
    link_listing_wiki -.->|extend| list_pw_sale

    subgraph Enclosed_Region [ ]
        login
        edit_basket
        view_basket
        view_pw_details
        add_pw_basket
        set_alert
        delete_wiki_entry
        edit_wiki_entry
        flag_content
        report_user
        delete_sales_entry
        edit_sales_entry
        link_listing_wiki
    end

    add_wiki_entry -.->|include| Enclosed_Region
    list_pw_sale -.->|include| Enclosed_Region
```

collector

seller