

Frameworks & Drivers

| MainGUI | |
|---------|--|
| | msgPanel wlPanel hisPanel orderPanell |

| LoginGUI | |
|----------|----------------------------|
| | loginButton ClearButton |

| GUI | |
|-------------|--|
| Main Method | |

Interface Adapters

| OrderController | |
|-----------------|---|
| generate_order | OrderGenerateUseCase Admin Customer |

| MessageController | |
|---|---|
| generate_message_for_customer generate_message_for_admin | SendMessageUseCase Admin Customer |

| InventoryController | |
|-----------------------|--|
| stock_in stock_out | InventoryStockinUseC- ase Admin InventoryStockoutUse- Case |

| UserController | |
|-------------------|-------------------|
| log_in log_out | Admin Customer |

Application Business Rules

| OrderGenerateUseCase | |
|----------------------|--------------------------|
| generate_order | Order OrderController |

| SendMessageUseCase | |
|---|------------------------------|
| generate_message_for_customer generate_message_for_admin | Message MessageController |

| InventoryStockinUseCase | |
|-------------------------|----------------------------------|
| stock_in | Inventory InventoryController |

| InventoryStockoutUseCase | |
|--------------------------|----------------------------------|
| stock_out | Inventory InventoryController |

Enterprise Business Rules

| Order | |
|---|------------------------------|
| item_list order_id order_date customer_infor | Item OrderGenerateUseCase |

| Admin | | User |
|-------------------------------------|--|------|
| send_annoucement receipt_history | UserController OrderController MessageController | |

| Customer | | User |
|---|--|------|
| make_order View_item return_item(add this function later) wish_list ID password | OrderController UserController MessageController | |

| Inventory | |
|---|---|
| stock_in stock_out send_update capacity item_list order_list | Item InventoryStockinUse Case InventoryStockoutUs eCase |

| Abstract Item | |
|--|--------------------|
| update name ID capacity quantity | Order Inventory |

| Abstract User | | Customer, Admin |
|--|----------------|-----------------|
| get_type view_order(abstract) view_order_history(abstract) pasword ID user_type | UserController | |