## Items

- Item_id: str
- Name: str
- Category: str
- Price: float
- Discount: float

- \_\_init\_\_()
- update_price()
- update_quantity()
- Apply_discount()
- get_total_price()
- \_\_repr\_\_()

## InventoryManager

- Items: dict[str, Item]

- add_item()
- remove_item()
- update_item()
- search_items()
- display_summary()
- save_to_file()
- load_from_file()

## SalesLogger

- Transactions: list[dict]

- log_sales()
- get_sales_report()
- save _sales_to_file()

## IOUtils

- read_files()
- write_files()
- parse_items()
- formart_summary()