PROJECT PYTHON SUPER CASHIER

By:

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(Pacmann Student Batch Mei 2024)

Source: https://www.freepik.com

ABOUT ME

Source: Personal Picture

It's me, hi, I'm Chavez.

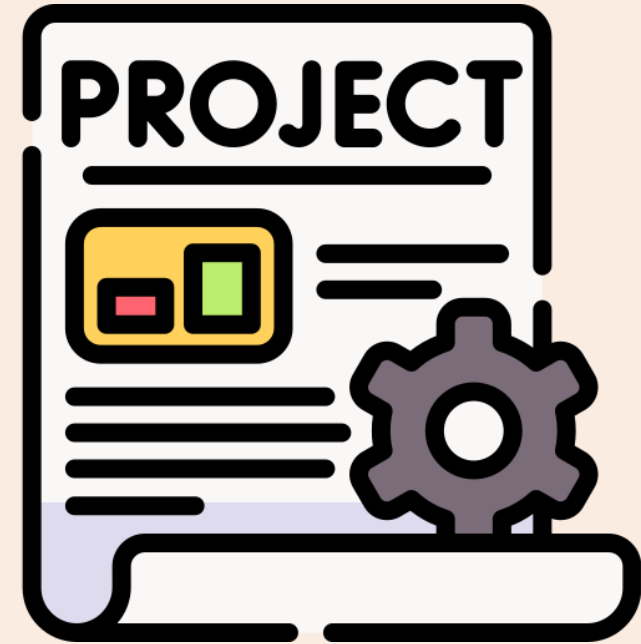Leaving the past to the Data Enthusiast.

Cat lover, Lifelong learner.

Want to know more about me ?

https://www.linkedin.com/in/muhammad-chavez-assad-patriot/

ABOUT PROJECT

Super Cashier is a simple program to help customer for doing transaction independently in the shop/supermarket.

Customer can add bought items, item quantity and price per item and get discount if the transaction met the total price requirements.

Source: https://www.freepik.com
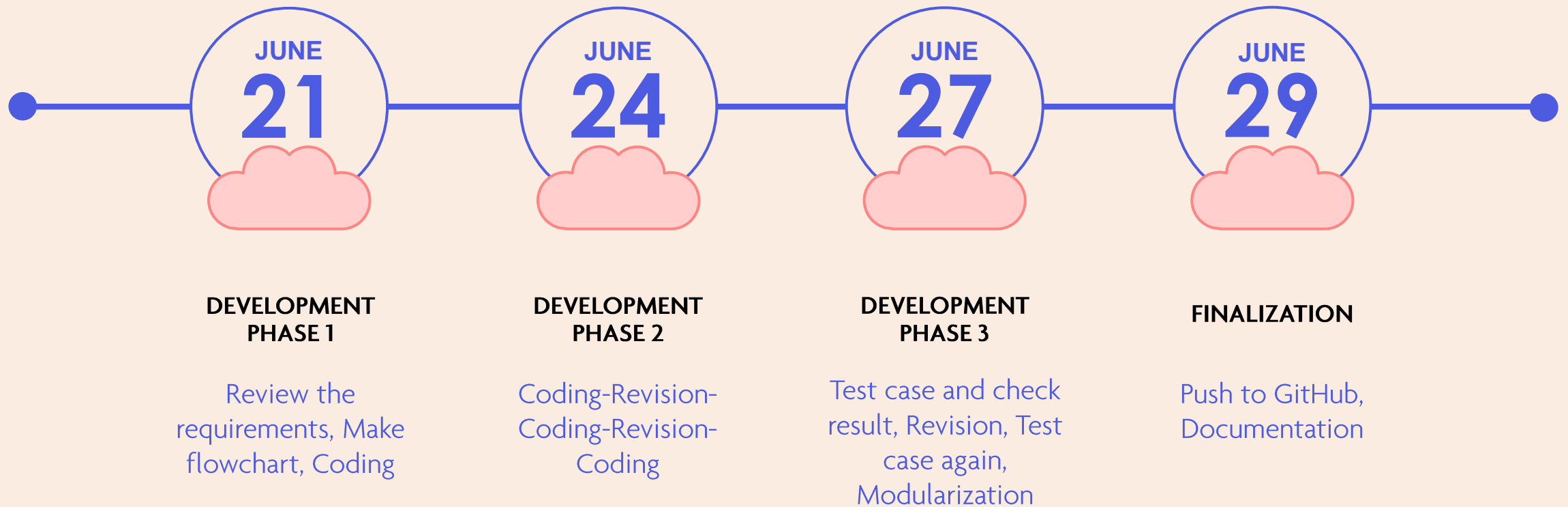
REQUIREMENTS

List of requirements:

- Add item with quantity and price per item

- Update item name

- Update item quantity

- Update price per item

- Delete item

- Reset order

- Check order
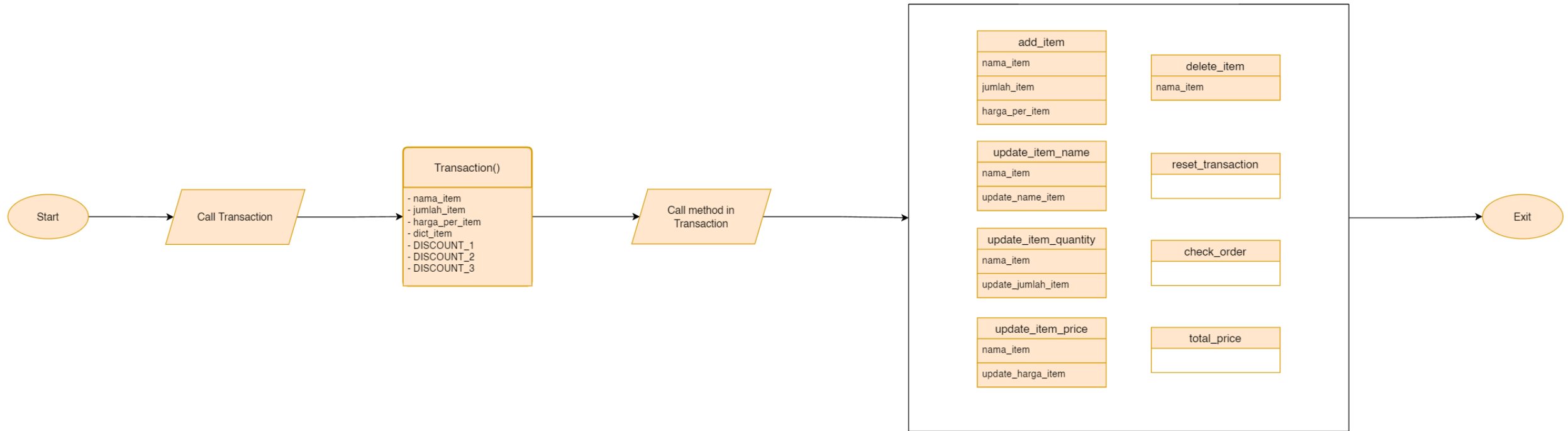
- Total price and discount

Source: https://www.flaticon.com

PROJECT TIMELINE

JUNE
21

JUNE
24

JUNE
27

JUNE
29

DEVELOPMENT PHASE 1

DEVELOPMENT PHASE 2

DEVELOPMENT PHASE 3

FINALIZATION

Review the requirements, Make flowchart, Coding

Coding-Revision-Coding-Revision-Coding

Test case and check result, Revision, Test case again, Modularization

Push to GitHub, Documentation

FLOWCHART

Source: Personal Picture

ATTRIBUTES AND FUNCTIONS

Class	Description
Transaction	A class for system of self-service Attributes: - nama_item (list): collect name of item, must be string - jumlah_item (list): collect quantity of item, must be integer - harga_per_item (list): collect price per item, can be integer/float - dict_item (dictionary): summarize name of item, quantity of item, and price per item - DISCOUNT_1 (float): If total shopping price greater than Rp 200000, get discount 5% - DISCOUNT_2 (float): If total shopping price greater than Rp 300000, get discount 8% - DISCOUNT_3 (float): If total shopping price greater than Rp 500000, get discount 10% Methods: - add_item(nama_item,jumlah_item,harga_per_item) - update_item_name(nama_item,update_nama_item) - update_item_quantity(nama_item,update_jumlah_item) - update_item_price(nama_item,update_harga_item) - delete_item(nama_item) - reset_transaction() - check_order() - total_price()

CODE DEMONSTRATION

https://youtu.be/yUnmWjZks6Y

CONCLUSION AND FUTURE WORK

CONCLUSION:

With Super Cashier Program, Consumer can do their transaction independently. It is hoped that it can help business actors in optimizing their business processes.

FUTURE WORK:

- Can be added with the choice option for transaction
- Can be added with list of items in the shop/supermarket to identify whether the item is available or not
- Can be added with list of items that is near to expiration date and give suggestion to customer

GITHUB

https://github.com/Chavez56/Python-Cashier

THANK YOU