**NAME:** Jevana Cielo Linga          **DATE:** 09/25/2024
Ma. Jullianna Maravillas
John Enrico Lauron

## LE 4.1 Fruit Juice Machine

| FruitJuiceMachine |
|---|
| - choice: int |
| - payment: int |
| - change: int |
| <u>- cost: int</u> |
| <u>- appleJuice: int = 50</u> |
| <u>- orangeJuice: int = 50</u> |
| <u>- mangoLassi: int = 50</u> |
| <u>- fruitPunch: int = 50</u> |
| <u>- totalCash: int = 0</u> |
| + showSelection(): void |
| + readInput(): void |
| + getChoice(): int |
| <u>+ getTotalCost(int choice, int cost): int</u> |
| + getPayment(): int |
| + setPayment(int newPayment): void |
| + isPaymentEnough ( ): boolean |
| + getChange(): int |
| + giveJuice(): void |

| CashRegister |
|---|
| <u>- cashOnHand: int = 5</u> |
| + getCash(): int |
| + setCash(int cashIn): void |
| <u>+ getCurrentBalance(): int</u> |
| <u>+ updateRegister(int amountIn): void</u> |

| DispenserType |
|---|
| <u>- numberOfItems: int</u> |
| <u>- cost: int</u> |
| <u>+ getNoOfItems(): int</u> |
| <u>+ getCost(): int</u> |
| <u>+ makeSale(): int</u> |
| + isDispenserEmpty( ): boolean |

1

1..*