```
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```

First Report

Theme

Starbucks Inventory Program

Tasks

- Register sales `(Víctor)`
- Register product arrivals `(Eva)`
- Query inventory data `(Eva)`
- Most sold items `(Eva)`
- Employees with most sales `(Víctor)`
- Generate employee's sales report `(Víctor)`

- Show only seasonal products `(Eva)`
- Customer satisfaction form `(Víctor)`

Screens

0. Main Menu

```
Select an action

1. Register sale
2. Register product arrival
3. Query inventory data
4. Most sold items
5. Employees with most sales
6. Generate sales report
7. Show only seasonal products
8. Customer satisfaction form

Action: _____                          ⇢   Action: 2
```

1. Register Sale

```
Action: 1

--- Register sale ---

Who is selling the product?:
- Juan (1)
- Pedro (2)

Name or Id: _____                      ⇢   Name or Id: Pedro
                                       ⇢   Name or Id: 2


Which product is it?:
- Coffee (1) (3 in stock)
- Tea (2) (10 in stock)

Name or Id: _____                      ⇢   Name or Id: Coffee
                                       ⇢   Name or Id: 1

How many items? _____                  ⇢   How many items? 4

The order is valid. Calculating total price...
```

```
Total price: $_____ (+ _____ tax)

This order's id is _____

Press enter to return to main screen
Press r to register another sale
```

2. Register Product Arrival

```
Action:2
--- Register product arrival ---

Which product is it?:
- Coffee (1)
- Tea (2)

Name or Id: _____                          ⇢  Name or Id: Coffee
                                           ⇢  Name or Id: 1


Recent arrival quantity: _____             ⇢  Recent arrival
quantity: 123456
OKAY. You registered _____ items of _____ product
Now there are _____ in stock

Press enter to return to main screen
Press r to register another product
```

3. Query Inventory Data

```
Action: 3
--- Query inventory data ---

What product is it?:
- Coffee (1)
- Tea (2)

Name or Id: _____                          ⇢  Name or Id: Coffee
                                           ⇢  Name or Id: 1


Information for _____

Description: _____
```

```
Id: _____
Price per unit: _____
Quantity in stock: _____
Season: _____
Categories: _____, _____


Press enter to return to main screen
Press r to search another product
```

4. Most Sold Item

```
Action: 4
--- Most sold items ---

Top 3 most sold product until now:
1) _____  with _____   units sold
2) _____  with _____   units sold
3) _____  with _____   units sold


Press enter to return to main screen
```

5. Show Employee with Most Items Sold

```
Action: 5
--- Show employees with most items sold ---

Top 3 employees:
1) _____  with _____   items sold
2) _____  with _____   items sold
3) _____  with _____   items sold


Press enter to return to main screen
```

6. Generate Sales Report

```
Action: 6
--- Generate employee's sales report ---

Select an employee?:
- Juan (1)
```

```
- Pedro (2)

Name or Id: _____                                    ⇢   Name or Id: Pedro
                                                     ⇢   Name or Id: 2


Creating archive...
Archive saved as "_____"

Press enter to return to main screen
Press r to generate another report
```

Sample output file

```
| EMPLOYEE NAME |         |            |
| ------------- | ------- | ---------- |
| PRODUCT ID    | NAME    | QUANTITY   |
| PRODUCT ID    | NAME    | QUANTITY   |
| PRODUCT ID    | NAME    | QUANTITY   |
```

7. Show Only Seasonal Products

```
Action: 7
--- Show only seasonal products ---

Season: _____

Products available only this season:
- _____
- _____
- _____


Press enter to return to main screen
Press r to search in another season
```

8. Customer Satisfaction Form

```
Action: 8
--- Customer satisfaction form ---

Which is your sale id (it is found on your receipt)? _____
```

```
How was our service? (1, 2, 3, 4, 5) _____

Cool. Thanks for giving us your feedback.
We hope to see you again.

Press enter to return to main screen
```

Data Models

Products

id	name	price	quantity	season	type	syb_type	descri
int	string	float	int	string	string	string	stri

```
product = {
    "id": 0,
    "name": "Frappe",
    "price": 20.00,
    "quantity": 234567,
    "season": "ALL",
    "type": "DRINK",
    "sub_type": "COLD_COFFEE",
    "description": "..."
}
```

Employees

id	name	last_name	position
int	string	string	string

```
employee = {
    "id": 0,
    "name": "John",
    "last_name": "Appleseed",
    "position": "MANAGER",
}
```

Sale

id	date	total_price	num_products	product_id	employee_id
int	string	float	int	int	int

```
sale = {
    "id": 0,
    "date": "18/01/2020",
    "total_price": 300.00,
    "num_products": 15,
    "product_id": 0,
    "employee_id": 0,
}
```

Feedback (Beta)

id	date	sale_id	rating
int	float	int	int

```
feedback = {
    "id": 0,
    "date": "18/01/2020",
    "sale_id": 0,
    "rating": 5,
}
```

Enumerations

Seasons		Rating		Positions		Types		Sub Types
"ALL"		1		"REGISTER"		"DRINK"		"HOT_COFFEE"
"SPRING"		2		"MANAGER"		"FOOD"		"HOT_DRINK"
"SUMMER"		3		"WAITER"				"HOT_DRINK"
"FALL"		4		"BARISTA"				"COLD_COFFEE"
"WINTER"		5						"COLD_DRINK"
								"COLD_DRINK"
								"BREAKFAST"
								"LUNCH"
								"SNACK"