Defining Classes Labs – Part 1 and Part 2

The system that Victoria is looking for must have the capability of categorizing her data by, at least, the following category classes:

1. Payment Type
2. Product Type

User Story

Eventually, we would like to retrieve total amounts of income paid for by credit card, debit card, PayPal and cash. We call this Payment Type.

Acceptance Criteria:

1. Must be able to query Payment Type to be able to select income transactions.

Use Case Name	Create a payment type	
Triggering Event	A new type of payment type available	
Brief Description	Allows the Owner to create a payment type	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	payment is added and available to query	
Flow of activities	Actor	System
	1. Requests to add a new payment type	Displays a list of payment types prompting for a payment type identifier and description.
	2. Enters payment type identifier and description	Verifies that payment type identifier and description have been entered Prompts for confirmation
	3. Confirms entry	Saves the payment type and returns to the main menu
Exception Conditions	• Owner chooses to cancel adding payment type	

Use Case Name	Change a payment type description
Triggering Event	Request to change a payment description

Brief Description	Allows the Owner to change a payment type description	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	Payment type description is updated	
Flow of activities	Actor	System
	1. Requests to change a payment type	Displays a list of payment types and prompts for payment type selection.
	2. Selects a payment type	Retrieves the payment type description and prompts for updates
	3. Updates description and requests to save	Verifies that description was entered. Saves the data
Exception Conditions	• Owner chooses to cancel updating the payment type description	

Use Case Name	Delete a payment type	
Triggering Event	Request to delete a payment type	
Brief Description	Allows the Owner to delete a payment type	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	Payment type is deleted	
Flow of activities	Actor	System
	1. Requests to delete a payment type	Displays a list of payment types Prompts for selection
	2. Selects a payment type	Retrieves the payment type and description. Prompts to delete
	3. Chooses to delete	Deletes the payment type.
Exception Conditions	• Owner chooses to cancel deleting the payment type	

Use Case Name	Query all payment types and their descriptions

Triggering Event	Request for payment types	
Brief Description	Allows the Owner to retrieve all payment types and their descriptions.	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	All payment types and their descriptions are retrieved.	
Flow of activities	Actor	System
	1. Requests to query all payment types	Displays a list of payment types Prompts to cancel
	2. Chooses to cancel	returns to the main menu
Exception Conditions	• Owner chooses to cancel retrieving the payment types	

User Story

With our expansion, our list of locations is growing. We would like to record the address and notes about each location.

Acceptance Criteria:

1. Must be able to query locations.
2. Must be able to record locations.

Use Case Name	Create a location	
Triggering Event	A new location	
Brief Description	Allows the Owner to create a location	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	Location is added and available to query	
Flow of activities	Actor	System
	1. Requests to add a new location	Displays a list of locations and prompts for a location name, address and notes
	2. Enters the location name, address and notes	Verifies that name and address have been enter. Generates a unique location identifier. Displays location. Prompts for confirmation

	3.	Confirms entry	Saves the location and returns to the main menu
Exception Conditions		• Owner chooses to cancel adding the location	

Use Case Name	Change a location		
Triggering Event	Request to change a location		
Brief Description	Allows the Owner to change a location		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	location is updated		
Flow of activities	Actor		System
	1.	Requests to change a location	Displays a list of locations and prompts for location selection.
	2.	Selects a location	Retrieves the location's name, address and notes
	3.	Updates the location and requests to save	Saves the data
Exception Conditions		• Owner chooses to cancel updating the location	

Use Case Name	Delete a location		
Triggering Event	Request to delete a location		
Brief Description	Allows the Owner to delete a location		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	location is deleted		
Flow of activities	Actor		System
	1.	Requests to delete a location	Displays a list of locations Prompts for selection
	2.	Selects a location	Retrieves the location. Prompts to

			delete
	3.	Chooses to delete	Deletes the location
Exception Conditions	• Owner chooses to cancel deleting the location.		

Use Case Name	Query all locations	
Triggering Event	Request for a list of locations and their addresses	
Brief Description	Allows the Owner to retrieve all locations	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	All locations and addresses are displayed.	
Flow of activities	Actor	System
	1. Requests to query all locations	Displays a list of locations. Prompts to cancel
	2. Chooses to cancel	returns to the main menu
Exception Conditions	• Owner chooses to cancel query locations	

User Story

To allow for easy retrieval of products, we would like to organize our list of products by product type.

Acceptance Criteria:

1. Must be able to query product types.
2. Must be able to record a new product type.

Use Case Name	Create a product type	
Triggering Event	Business decides to add a new type of products	
Brief Description	Allows the Owner to create a product type	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	product type is added and available to query	
Flow of activities	Actor	System

	1.	Requests to add a new product type	Displays a list of product types and prompts for product type and description
	2.	Enters product type and description	Verifies that product type and description have been entered. Displays product type. Prompts for confirmation
	3.	Confirms entry	Saves the product type and returns to the main menu
Exception Conditions	• Owner chooses to cancel adding the product type		

Use Case Name	Change a product type	
Triggering Event	Request to change a product type	
Brief Description	Allows the Owner to change a product type	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	location is updated	
Flow of activities	Actor	System
	1. Requests to change a product type	Displays a list of product types and prompts for product types selection.
	2. Selects a product type	Retrieves the product type
	3. Updates the product type and requests to save	Saves the data
Exception Conditions	• Owner chooses to cancel updating the product type	

Use Case Name	Delete a product type
Triggering Event	Request to delete a product type
Brief Description	Allows the Owner to delete a product type
Actors	Owner
Related Use Cases	
Preconditions	Owner has opened the Main Menu.
Post Conditions	Product type is deleted

Flow of activities	Actor		System
	1.	Requests to delete a product type	Displays a list of product types Prompts for selection
	2.	Selects a product type	Retrieves the product types. Prompts to delete
	3.	Chooses to delete	Deletes the product type
Exception Conditions	• Owner chooses to cancel deleting the product type.		

Use Case Name	Query Product Types		
Triggering Event	Request for a list of product types		
Brief Description	Allows the Owner to retrieve all product types		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	All product types are displayed.		
Flow of activities	Actor		System
	1.	Requests to query all product types	Displays a list of product types. Prompts to cancel
	2.	Chooses to cancel	returns to the main menu
Exception Conditions	• Owner chooses to cancel query product types		