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Group-5

Section;NHH

Defining class Lab (holiday store)

**Class Diagrams**

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**Create PaymentType**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |
|  |  | Requests to add a new payment type | Displays a list of payment types prompting for a payment type identifier and description. |
|  |  | Enters payment type identifier and description | Verifies that payment type identifier and description have been entered  Prompts for confirmation |
|  |  | Confirms entry | Saves the payment type and returns to the main menu |
| Exception Conditions | * Owner chooses to cancel adding payment type | | |

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**ChangePaymentType**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

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**DeletePaymentType**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

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**Query all Payment types**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

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1**.Query all locations**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

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**CreateLocation**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |
|  |  | 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 |
|  |  | Confirms entry | Saves the location and returns to the main menu |
| Exception Conditions | * Owner chooses to cancel adding the location | | |

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Description automatically generated**

**ChangeLocation**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

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**DeleteLocation**

|  |  |  |  |
| --- | --- | --- | --- |
| 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. | | |

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**Query all Product Types**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

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**CreateProductType**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |
|  |  | Enters product type and description | Verifies that product type and description have been entered. Displays product type.  Prompts for confirmation |
|  |  | Confirms entry | Saves the product type and returns to the main menu |
| Exception Conditions | * Owner chooses to cancel adding the product type | | |

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**changeProductType**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 | | |

**A diagram of a project

Description automatically generated**

**DeleteProductType**

|  |  |  |  |
| --- | --- | --- | --- |
| 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. | | |

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