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PROJECT REPORT

Tobacco Store

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Group: Group 10

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Tobacco Store

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# Project Introduction

This system will provide some basic features including:

There are 2 main features include create order, confirm payment or cancel order

Which include additional features such as view tobacco list, search tabacco, view order list, wier order details.

## Proposed System

* Creating a program to Seller create order
* Creating a program to Accountant confirm payment or cancel order

## The scope of the project to be applied

## Make for actor are Seller

## System Name

## Order mangement system

## Deployment Environment

## Windows, Linux, Mac

## Development Tools

## Visual Studio Code

## Dram.io Diagram

## MySQL Workbench 8.0 CE

## Customer Requirements

## Seller login

## Show Tobacco

## Create order

## Accountant login

## Show order

## Confirm pament or cancel order

# Analyze System Requirements

This system was created to make it easier for Tobacco stores to manage orders. it can help sellers have more information about Tobaccos sold at the store, that information can be price, origin, condition,... the main function of this system for sellers is to help The seller creates an invoice at the request of the buyer, canceling the order when the buyer changes his mind.

## Use Case

### Use Case

A diagram of a company

Description automatically generated

### Login description

|  |  |
| --- | --- |
| Name | Login |
| ID | UC\_001 |
| Description | used to access the program |
| Actor | Seller and Accountant |
| Organizational  Benefits | to identify features and data that merchants can access |
| Trigger | Log in immediately after activating the program |
| Preconditions | Must enter the correct username and password, the account connected data is provided |
| Postconditions | Success: The main menu of the program must be displayed  Fail: Seller or accoutant haven’t logged into the system |
| Main Course | 1. Input username and password 2. Verify login 3. Show main menu for Seller |
| Alternate Courses | AC 2.1: User enters wrong username, password   1. Display message error 2. Show the login screem agin 3. Re-enter request   AC 2.2: Username password exists   1. Show successful login message 2. Show main menu |
| Exceptions | EX 1.1: Input username/Password   1. Display:”Invalid username or password, please re-enter!” and ask to re-enter until correct 2. Request to re-enter username and password   EX 2.1: Disconnect to database   1. Step 1: Display “Error!” 2. Request to recheck internet connection |

### Search tobacco description

|  |  |
| --- | --- |
| Name | Search tobaccoID |
| ID | UC\_002 |
| Description | User to search to tobacco |
| Actor | Seller |
| Organizational  Benefits | You can search tobacco in the system |
| Trigger | Login to the program by the seller’s account and you can use this feature |
| Preconditions | Must have at least one tabacco previously created |
| Postconditions | Success: Show list of valid tobacco  Fail: No valid tobacco |
| Main Course | 1. Input tobacco name/category/manufactory or tabaco id you want to find 2. Show list of tobacco found |
| Alternate Courses | AC3.1: Data doesn’t exist in the database  Display “tobacco not found!” |
| Exceptions | EX1: Disconnect to database   1. Request to recheck internet connettion 2. Request progam restart |

### Create order description

|  |  |
| --- | --- |
| Name | Create order |
| ID | UC\_003 |
| Description | User to Create order |
| Actor | Seller |
| Organizational  Benefits | You can create one or more orders according to customer’s request |
| Trigger | Login to the program by the seller’s account and you can use this feature |
| Preconditions | Must have at least one tobacco previously created |
| Postconditions | Success: Create order complete  Fail: Create order not complete |
| Main Course | Input tobacco and quantity you want to add to orderValid dataInput customer informationCreate order complete |
| Alternate Courses | AC2.1: Invalid tobacco id or quantity   1. Display msg error 2. Request re-entry   AC3.1: Customer information already exists   1. You just need to enter the customer's phone number 2. The rest of the information will be entered automatically   AC3.2: Invalid customer’s phone number   1. Display msg error 2. Request re-entry |
| Exceptions | EX1: Disconnect to database   1. Request to recheck internet connettion 2. Request progam restart |

### Payment description

|  |  |
| --- | --- |
| Name | Payment |
| ID | UC\_004 |
| Description | User to confirm pament or cancel pament |
| Actor | Accountant |
| Organizational  Benefits | Allow accountants to confirm paid orders or cancel orders |
| Trigger | Login to the program by the seller’s account and you can use this feature |
| Preconditions | Must have at least one order in unpaid stasus |
| Postconditions | Success: Confirm payment/cancel order complete or payment pause  Fail: Confirm payment or cancel order not complete |
| Main Course | 1. Input order id you want 2. Show order information 3. Choose to pament, cancel order or exit 4. Request complete |
| Alternate Courses | AC3.1: Comfirm pament   1. Enter the amount given by the customer 2. Eport invoice   AC3.2: Cancel order   1. Press combination CTRL+X to cancel order 2. Display msg “Cancel order complete” 3. Requires pressing any movie to go back to list order   AC3.3: Exit   1. Press ASCAPE to exit 2. Payment pause 3. Requires pressing any movie to go back to list order   AC4.1: If payment or cancel not complete   1. Display msg error 2. Requires pressing any key to go back to list order |
| Exceptions | EX1: Disconnect to database   1. Request to recheck internet connettion 2. Request progam restart |

## Activity Diagram

### Login

A diagram of a system

Description automatically generated

### Search TabaccoID

A diagram of a computer flowchart

Description automatically generated

### Create Order

A diagram of a flowchart

Description automatically generated

### Cancel Order

A diagram of a flowchart

Description automatically generated

Design Details

## UI Design

### Login

A black and white text

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### Order Management

A screenshot of a video game

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### Tobacco Management

A screenshot of a video game

Description automatically generated

### Get By Tobacco Id

A screen shot of a computer

Description automatically generated

### Show Tobacco

A screenshot of a computer

Description automatically generated

### Get All Tobaccos

A screenshot of a video game

Description automatically generated

### Search By Tobacco Name

A screenshot of a computer

Description automatically generated

### Create New Order

A screenshot of a computer program

Description automatically generated

### Invoice

A screenshot of a computer

Description automatically generated

### Cancel Order

A screenshot of a computer

Description automatically generated

## Class Diagram

A diagram of a software company

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## Sequence Diagram

### Login

A screenshot of a computer

Description automatically generated

### Search Tobaccos

A screenshot of a computer

Description automatically generated

### Create Order

A diagram of a computer

Description automatically generated

### Cancel Order

A screenshot of a computer

Description automatically generated

## Database Design

### Entity Relationship Diagram

A diagram of a company

Description automatically generated

### Database Design Details

A diagram of a company

Description automatically generated

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| staff |  |  | |  | |
| Column Name | Data Type | | Contraints | | Description |
| Staff\_id | int | | auto\_increment primary key | |  |
| Staff\_name | varchar(100) | | not null | |  |
| Password1 | varchar(50) | |  | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Customers |  |  | |  | |
| Column Name | Data Type | | Contraints | | Description |
| customer\_id | int | | auto\_increment primary key | |  |
| customer\_name | varchar(100) | | not null | | Customer Name |
| customer\_address | varchar(200) | |  | | Customer ‘s address |
| customer\_phone | varchar(50) | |  | | Customer ‘s Phone number |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Orders |  |  | |  | |
| Column Name | Data Type | | Contraints | | Description |
| Order\_id | int | | auto\_increment primary key | |  |
| Customer\_id | int | |  | | customer\_id |
| Customer\_name | varchar(100) | |  | | Customer\_name |
| Seller\_id | int | |  | | Staff\_id |
| Order\_data | datetime | | default now() not null | |  |
| Order\_status | varchar(50) | | not null | | 1:Unpaid  2:Processing  3:Paid |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Tabaccos |  |  | |  | |
| Column Name | Data Type | | Contraints | | Description |
| Tabacco\_id | int | | auto\_increment primary key | |  |
| amount | decimal | | not null default 0 | | Tabacco’s amount |
| Manufactory | varchar(200) | | not null | | Tabacco’s Manufactory |
| Tabacco\_Price | decimal | | not null | | Tabacco’s Price |
| Tabacco\_name | varchar(100) | | not null | | Tabacco’s name |
| Tabacco\_pack | int | |  | |  |
| Tabacco\_date | datetime | | default now() not null | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| OrderDetails |  |  | |  | |
| Column Name | Data Type | | Contraints | | Description |
| Order\_id | int | | not null | |  |
| Tabacco\_id | int | | not null | |  |
| Quantity | int | | not null | | Tabacco’s quantity |

# Test

## Login test

### Login test 1

|  |  |
| --- | --- |
| Test Case Number | 001 |
| Test Case Name | LoginTest1() |
| Test Case Description | This test case checks whether the username is correct or not |
| Preconditions | Username and password must exist in the database |
| Test Case Input | “staff1”, “12345” |
| Test Case Expected Output | A staff |
| Test Case Steps | New Staff  New StaffDAL  Call Login method  Compare output with expected output |
| Default Value Preverving |  |

### Login test 2

|  |  |
| --- | --- |
| Test Case Number | 002 |
| Test Case Name | LoginTest2() |
| Test Case Description | This test case checks whether the username is correct or not |
| Preconditions |  |
| Test Case Input | “nguyen”, “12345” |
| Test Case Expected Output | Null |
| Test Case Steps | New Staff  New StaffDAL  Call Login method  Compare output with expected output |
| Default Value Preverving |  |

## Search Tobaccos test

### Search Tobaccos test 1

|  |  |
| --- | --- |
| Test Case Number | 001 |
| Test Case Name | SearchTobaccosTest1() |
| Test Case Description | Search for products in the system |
| Preconditions | Logged in |
| Test Case Input | “Tobacco1”  “Tobacco2” |
| Test Case Expected Output | Information Tobacco |
| Test Case Steps | New TobaccoDAL  Call Search method  Compare output with expected output |
| Default Value Preverving |  |

### Search Tobaccos test 2

|  |  |
| --- | --- |
| Test Case Number | 002 |
| Test Case Name | SearchTobaccosTest2() |
| Test Case Description | Search for products in the system |
| Preconditions | Logged in |
| Test Case Input | “Tobacco3”  “Tobacco4” |
| Test Case Expected Output | Information Tobacco |
| Test Case Steps | New TobaccoDAL  Call Search method  Compare output with expected output |
| Default Value Preverving |  |

### Search Tobaccos test 3

|  |  |
| --- | --- |
| Test Case Number | 003 |
| Test Case Name | SearchTobaccosTest3() |
| Test Case Description | Search for products in the system |
| Preconditions | Logged in |
| Test Case Input | “Tobacco5”  “Tobacco6” |
| Test Case Expected Output | Information Tobacco |
| Test Case Steps | New TobaccoDAL  Call Search method  Compare output with expected output |
| Default Value Preverving |  |

## Get Tobacco by ID test

### Get Tobacco by ID test 1

|  |  |
| --- | --- |
| Test Case Number | 001 |
| Test Case Name | GettobaccoByIDTest1() |
| Test Case Description | Search for Tobacco in the system |
| Preconditions | Logged in |
| Test Case Input | 1  2 |
| Test Case Expected Output | A Tobacco |
| Test Case Steps | New TobaccoDAL  Call GetById method  Compare output with expected output |
| Default Value Preverving |  |

### Get Tobacco by ID test 2

|  |  |
| --- | --- |
| Test Case Number | 002 |
| Test Case Name | GettobaccoByIDTest2() |
| Test Case Description | Search for Tobacco in the system |
| Preconditions | Logged in |
| Test Case Input | 3  4 |
| Test Case Expected Output | Null |
| Test Case Steps | New TobaccoDAL  Call GetById method  Compare output with expected output |
| Default Value Preverving |  |

### Get Tobacco ID test 3

|  |  |
| --- | --- |
| Test Case Number | 003 |
| Test Case Name | GettobaccoByIDTest3() |
| Test Case Description | Search for Tobacco in the system |
| Preconditions | Logged in |
| Test Case Input | 5  6 |
| Test Case Expected Output | Null |
| Test Case Steps | New TobaccoDAL  Call GetById method  Compare output with expected output |
| Default Value Preverving |  |

## Create order test

### Create order test 1

|  |  |
| --- | --- |
| Test Case Number | 001 |
| Test Case Name | CreateOrderTest1() |
| Test Case Description | Create an order with at least one tobacco and customer information |
| Preconditions | Logged in |
| Test Case Input |  |
| Test Case Expected Output | True |
| Test Case Steps | New Order  New OrderDAL  Call Create Order method  Compare output with expected output |
| Default Value Preverving |  |

### Create order test 2

|  |  |
| --- | --- |
| Test Case Number | 002 |
| Test Case Name | CreateOrderTest2() |
| Test Case Description | Create an order with at least one tobacco and customer information |
| Preconditions | Logged in |
| Test Case Input |  |
| Test Case Expected Output | True |
| Test Case Steps | New Order  New OrderDAL  Call Create Order method  Compare output with expected output |
| Default Value Preverving |  |

### Create order test 3

|  |  |
| --- | --- |
| Test Case Number | 003 |
| Test Case Name | CreateOrderTest3() |
| Test Case Description | Create an order with at least one tobacco and customer information |
| Preconditions | Logged in |
| Test Case Input |  |
| Test Case Expected Output | True |
| Test Case Steps | New Order  New OrderDAL  Call Create Order method  Compare output with expected output |
| Default Value Preverving |  |

### Create order test 4

|  |  |
| --- | --- |
| Test Case Number | 004 |
| Test Case Name | CreateOrderTest4() |
| Test Case Description | Create an order with at least one tobacco and customer information |
| Preconditions | Logged in |
| Test Case Input |  |
| Test Case Expected Output | True |
| Test Case Steps | New Order  New OrderDAL  Call Create Order method  Compare output with expected output |
| Default Value Preverving |  |

# TaskAssign

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Group 10 | Tobacco Store |  |  |  |  |  |
| No | Task Name | Description | Date |  | Member | Self assessment |
| 1 | Write report |  | 5 Jun |  | Hai & nguyen |  |
| 2 | Code |  | 25 Jun |  | Hai |  |
| 3 | Code |  | 10 Jul |  | Nguyen |  |
| 4 | Code |  | 28 Jul |  | Nguyen |  |
| 5 | Control |  | 30 Aug |  | Hai & nguyen |  |

# Installation Instructions

## Deployment Diagram

A black and white diagram

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## Installation steps

* Database Install

Downloat MySQL Community Sever in website

<https://dev.mysql.com/downloads/installer/>

* Application install

Click on this link to download

<https://drive.google.com/drive/folders/1nrd2g248yGCrIvfsmatDcZ-SH7q4SFy3>