

Topic : Online Market Store

Group no : MLB\_PRO\_15

Campus : Malabe

Submission Date :17/05/2022

We declare that this is our own work and this Assignment does not incorporate without acknowledgment any material previously submitted by anyone else in SLIIT or any other university/Institute. And we declare that each one of us equally contributed to the completion of this Assignment.

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**1)**

**System Requirements for Online Market Store**

* This system allows all users to look for online market store.
* Firstly, user can login to the system by providing their details such as user id and password.
* Any customer can sign up to become a member.
* User can view, update, and delete their user details.
* Admin can login by using admin name, contact number and email.
* Admin can view, update, and delete details.
* Once a customer filled the form, they can add their own information to the website.
* Customer can select any order available in the store.
* Customer can purchase and add to cart.
* Customer can update details.
* Customer can add items from the order list.
* Deliverers delivers orders.
* Customer can do their payments of order through the system as pay pal and credit card.
* User can add coupon details and change the total payment.
* Admin also needs to login to the system before do the activities.
* Allows account holders to track the order, view order details, get invoice in history.

**Nouns/Verbs analysis**

# 2)

Noun Analysis (Nouns are in red color)

* This system allows all users to look for online market store.
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Verb Analysis (Verbs are in blue color)

* This system allows all users to look for online market store.
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* Deliverers delivers orders.
* Customer can do their payments of order through the system as pay pal and credit card.
* User can add coupon details and change the total payment.
* Admin also needs to login to the system before do the activities.
* Allows account holders to track the order, view order details, get invoice in history.

**Identified Classes using Noun Verb Analysis**

**Identified Classes:**

* Admin
* User
* Customer
* Item
* Cart
* Order
* Payment
* History
* Delivery Information

# Attributes:

* User ID
* Password
* Admin name
* Contact number
* Email

# Out of scope:

* Pay pal
* Credit card
* Purchase

# Redundant:

* User details
* Sign up

**3) CRC Cards for Online Market Store**

|  |  |
| --- | --- |
| Admin | |
| Responsibilities | Collaborations |
| login to the system |  |
| Verify user accounts | User |
| View User Accounts |  |
| Search User |  |
| Delete User Accounts |  |
| logout |  |

|  |  |
| --- | --- |
| User | |
| Responsibilities | Responsibilities |
| Account verification  and Login to the system | Admin |
| Create User Account |  |
| Account Update |  |
| View Account |  |
| Account Delete |  |

|  |  |
| --- | --- |
| Customer | |
| Responsibilities | Collaborations |
| Pay Total Amount | Payment |
| Get Customer Details |  |
| Update Profile |  |

|  |  |
| --- | --- |
| Order | |
| Responsibilities | Collaborations |
| Add Item to the cart | Cart |
| Calculate Total Price |  |

|  |  |
| --- | --- |
| Cart | |
| Responsibilities | Collaborations |
| Add Item | Item |
| View Cart Details |  |
| Update Quantity |  |
| Delete Cart |  |
| Checkout |  |

|  |  |
| --- | --- |
| Payment | |
| Responsibilities | Collaborations |
| Set Payment ID |  |
| Calculate Total Amount |  |
| Pay Refund Amount |  |
| Get Payment Details | Customer, History |

|  |  |
| --- | --- |
| Delivery Information | |
| Responsibilities | Collaborations |
| Update Delivery time |  |
| Cancel delivery |  |

|  |  |
| --- | --- |
| History | |
| Responsibilities | Collaborations |
| Get Payment Details | Payment |
| Get Order Details | Order |

|  |  |
| --- | --- |
| Item | |
| Responsibilities | Collaborations |
| Set Details |  |
| Calculate total Amount | Order |

# Exercise 1

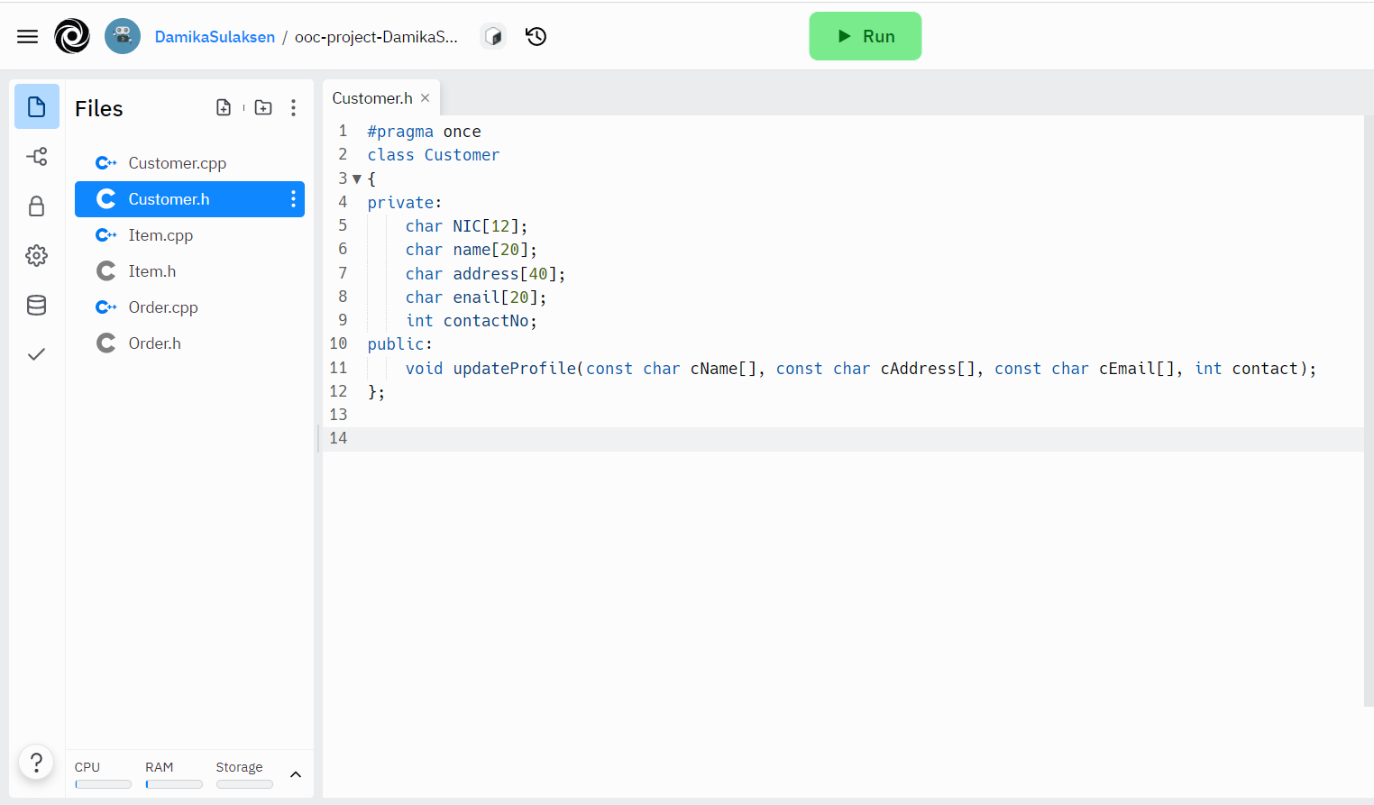
**Diagram

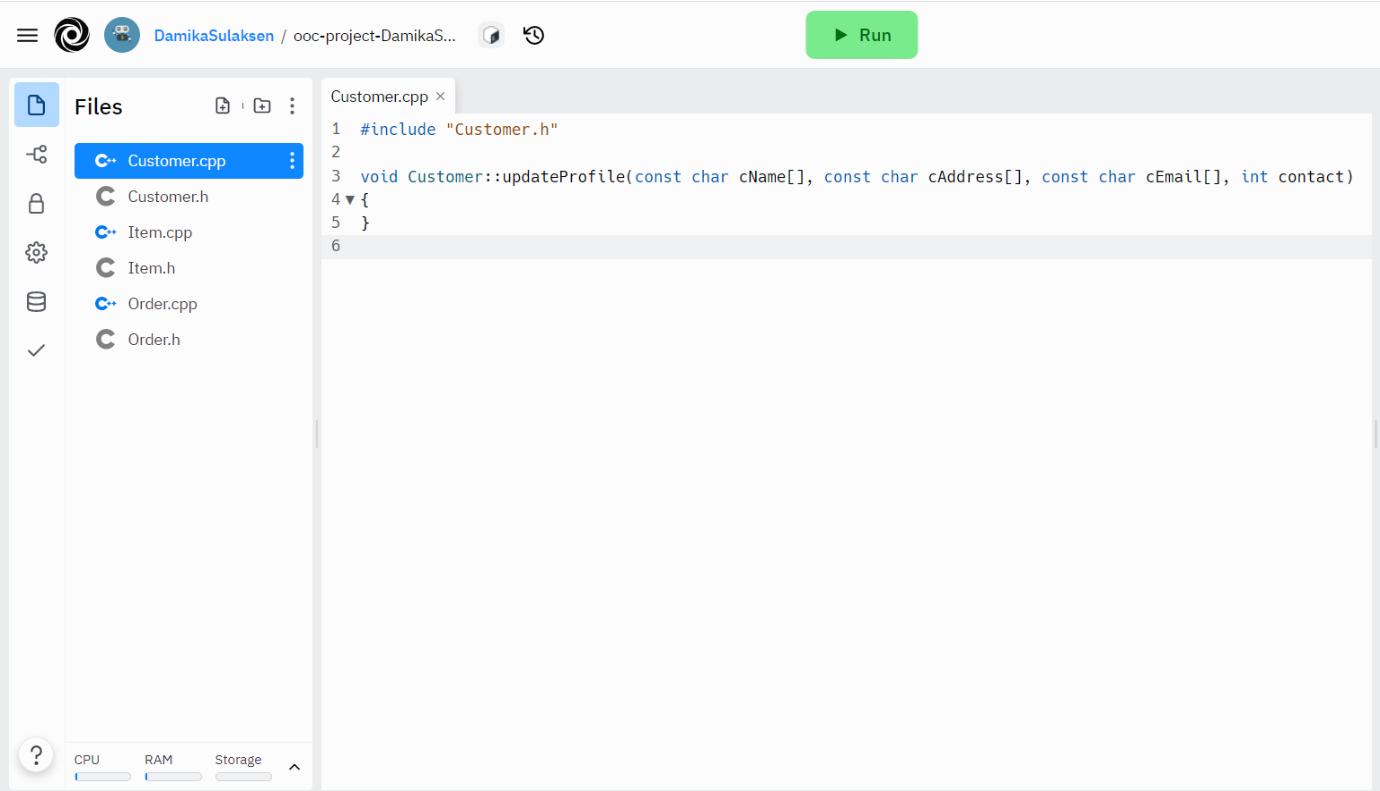
Description automatically generatedClass Diagram for the** **Online Market Store**

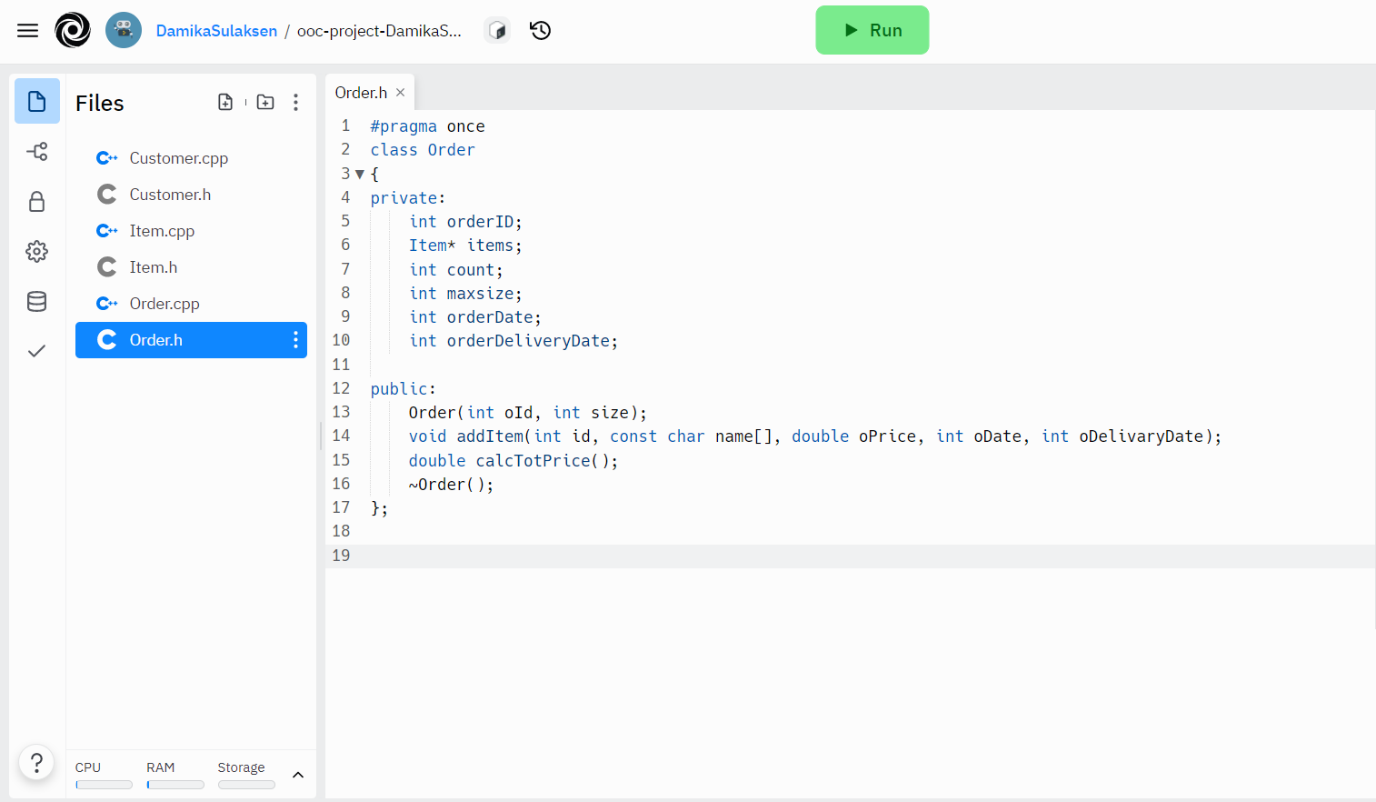
**Exercise 2**

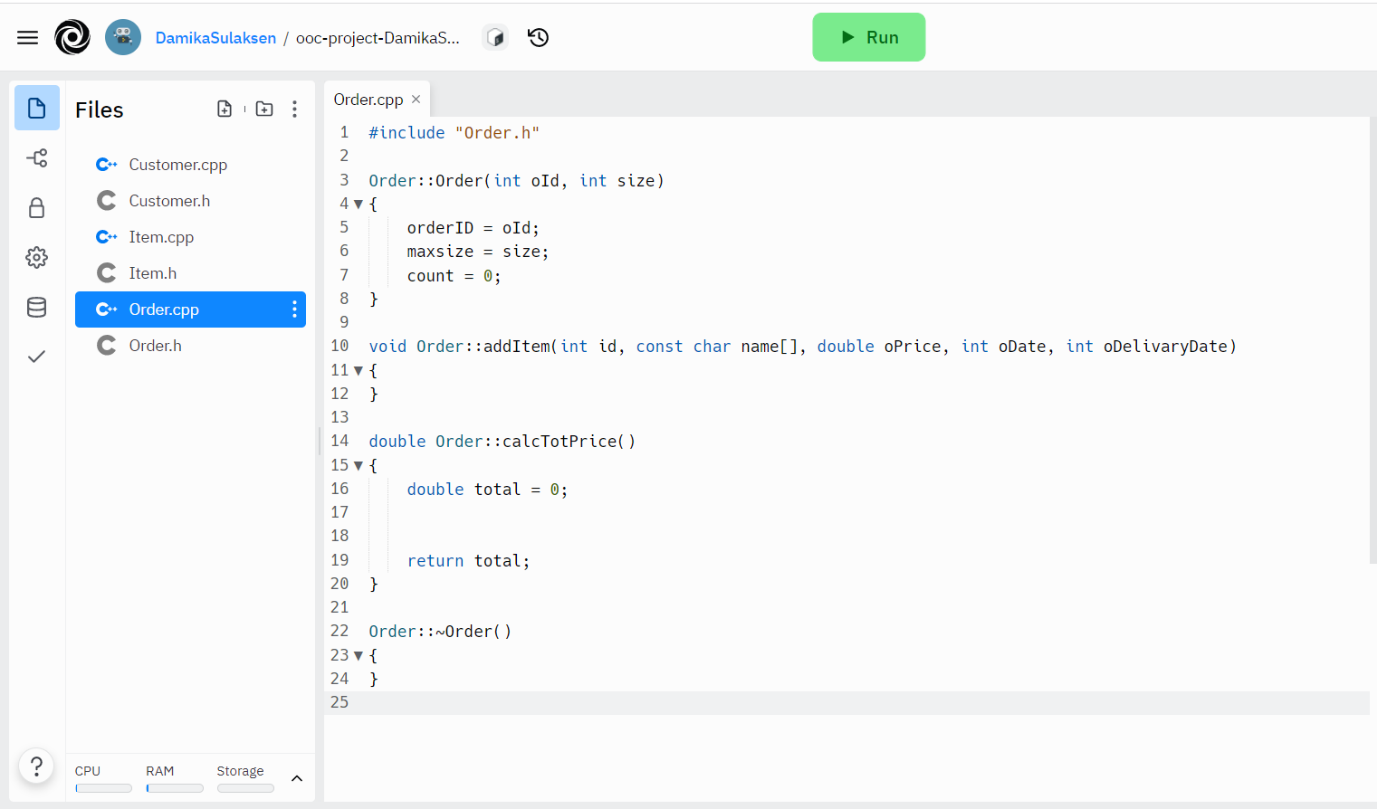
**Coding for the Classes in Class Diagram**

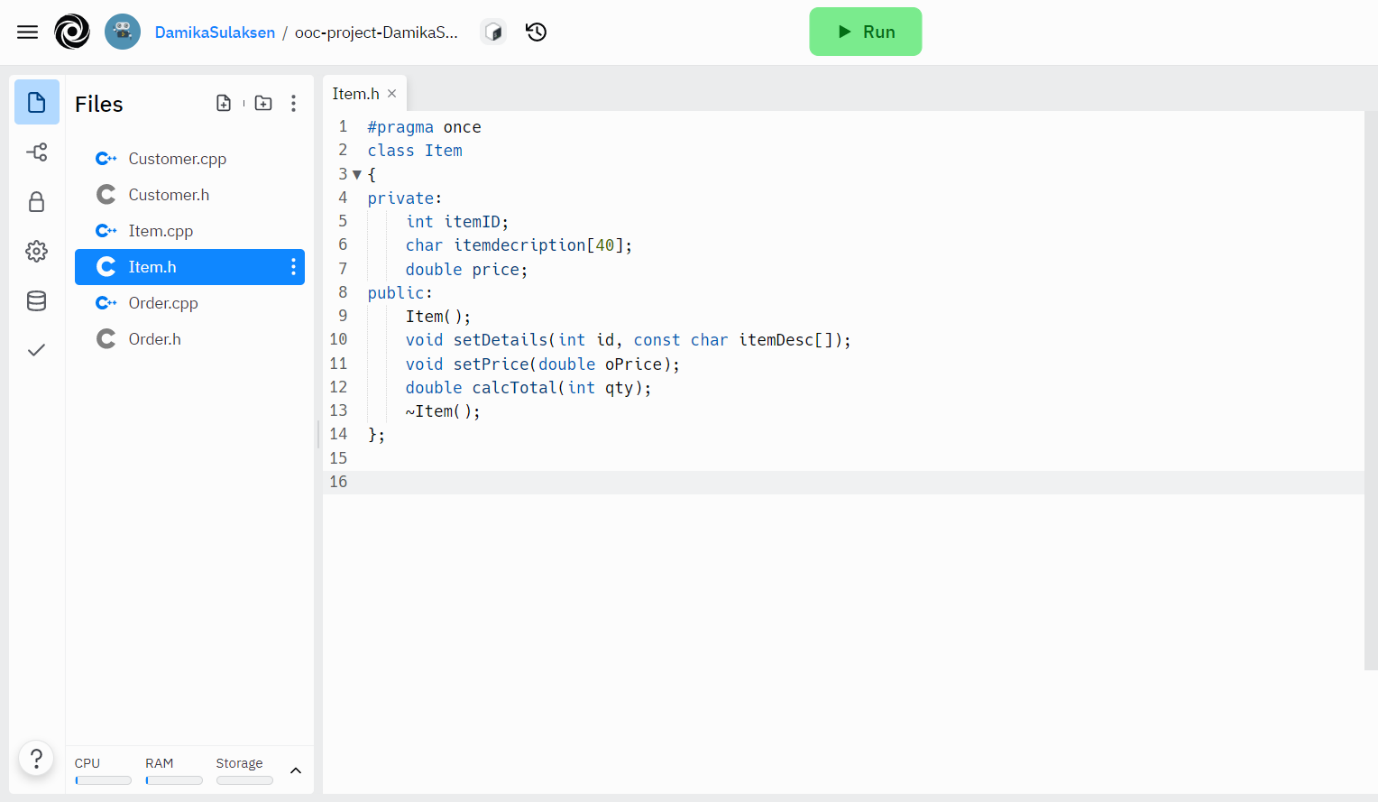
**IT19037066 – De Silva W.A.D.S.**

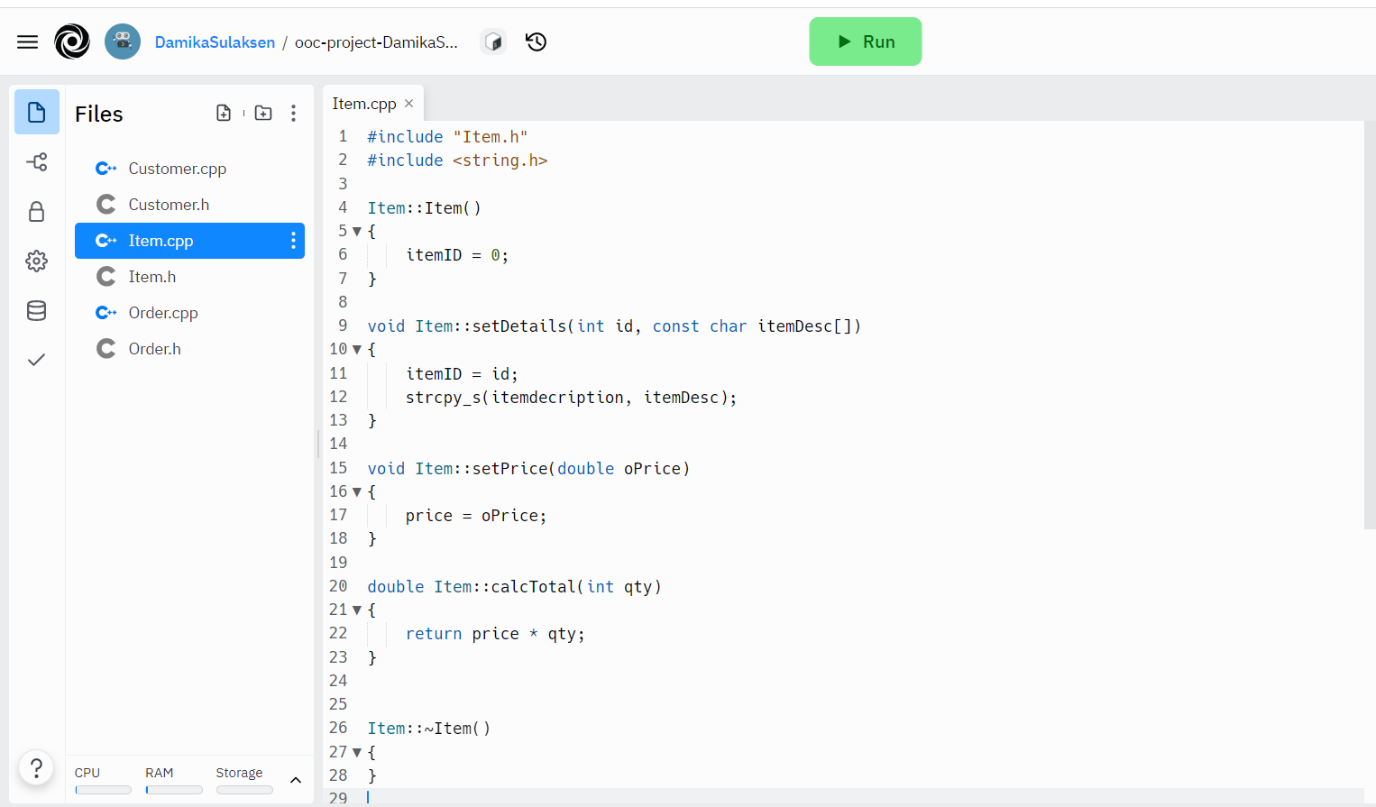
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Graphical user interface, text, application, email

Description automatically generated**IT19145112 – Karunarathne K Y**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

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Graphical user interface, application

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Graphical user interface, text, application

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Graphical user interface, text, application

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**IT21046520 – Nipuna H K**

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedA picture containing text

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

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