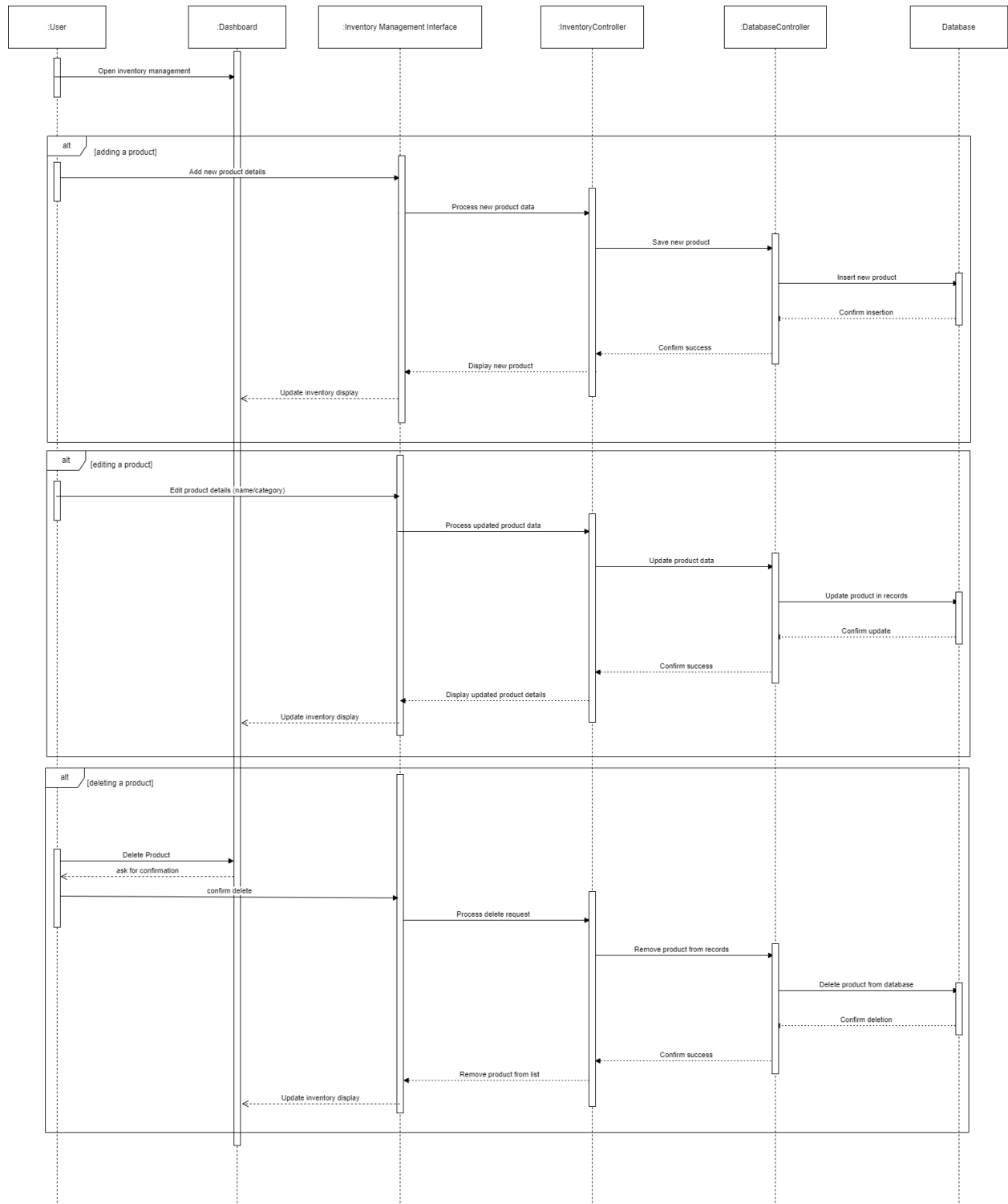# IT-314 - Project Group-24
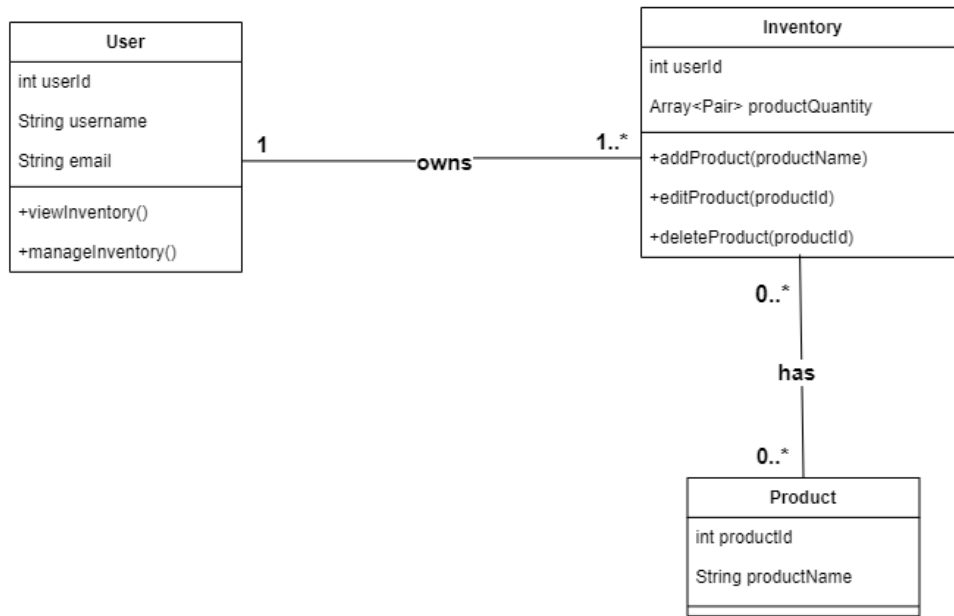# Task 4 - Sequence and Class diagram

➢ Group Members:

- 202201444 – Vardhman Mehta
- 202201441 – Het Panchotiya
- 202201447 – Devarshi Patel
- 202201422 – Yash Tarpara
- 202201450 – Archi Jariwala
- 202201433 – Vaishvik Patel
- 202201405 – Dev Joshi
- 202201455 – Parth Tolani
- 202201423 – Kunj Kheni

➜ **Sequence Diagram:**

:User	:Dashboard	:Inventory Management Interface	:InventoryController	:DatabaseController	Database

Open inventory management

alt [adding a product]

Add new product details

Process new product data

Save new product

Insert new product

Confirm insertion

Confirm success

Display new product

Update inventory display

alt [editing a product]

Edit product details (name/category)

Process updated product data

Update product data

Update product in records

Confirm update

Confirm success

Display updated product details

Update inventory display

alt [deleting a product]

Delete Product

ask for confirmation

confirm delete

Process delete request

Remove product from records

Delete product from database

Confirm deletion

Confirm success

Remove product from list

Update inventory display

➔ Class Diagram:

User

int userId

String username

String email

+viewInventory()

+manageInventory()

Inventory

int userId

Array<Pair> productQuantity

+addProduct(productName)

+editProduct(productId)

+deleteProduct(productId)

1 — owns — 1..*

0..*

has

0..*

Product

int productId

String productName

Both diagrams are uploaded separately also in github for clearity.