



Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

m Project Details

Project number *Your project number as in sent sheet file*
Project title *Your project title*

Corresponding TA\LA *Lamia*
Deliverable *4*

Team Details

Student ID	Student name	Lab Group
20200307	عبدالله محمود زكريا	S(3,4)
20210612	عمر حسين ابراهيم	S(5,6)
20200498	محمود سيد عاشور	S(1,2)
20200406	ماريو مدحت أديب	S(3,4)
20200302	عبدالله صالح سيد	S(3,4)
20201152	محمد عزت عواد	S(5,6)
20200274	عبدالطوب محمد	S(3,4)



Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

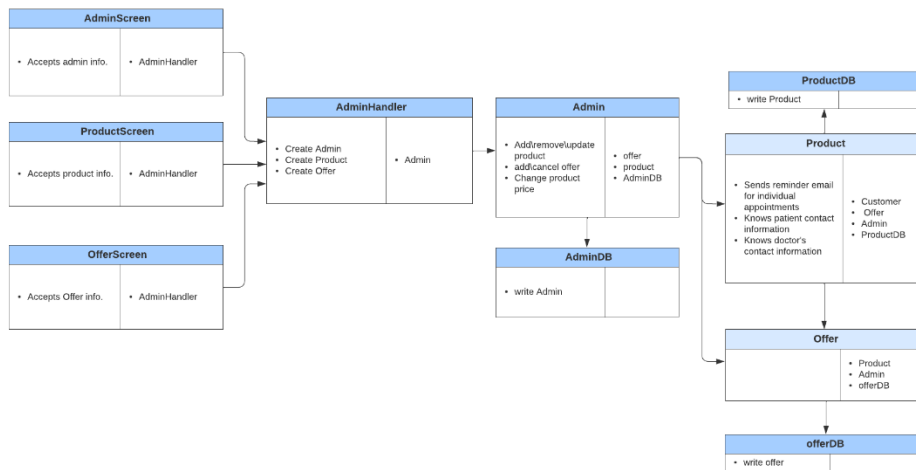
Phase 4: Use case Realization

Deliver a complete electronic report to deliver the following requirements using CASE/modeling tool(s):

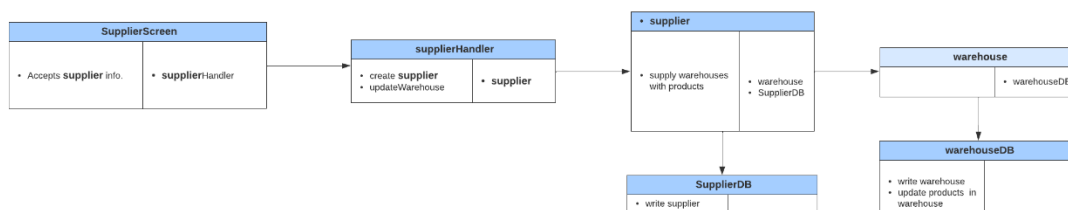
1. Select **TWO** simple use cases using the provided Use case diagram (that have been developed during the analysis phase of your project)



a. Generate and draw a **partial class diagram** using **CRC cards** (show steps).



CRC card 1 : Admin usecases

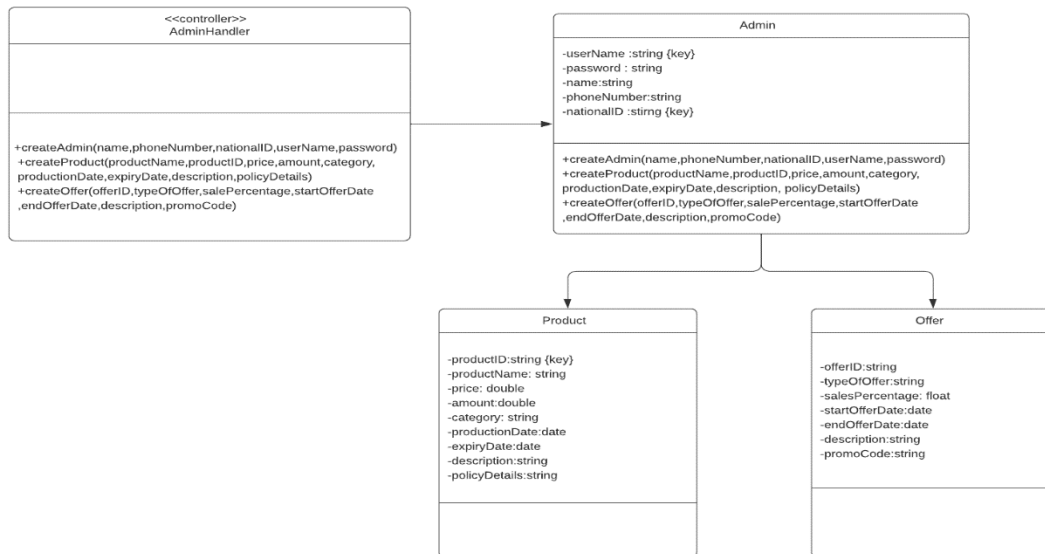


CRC card 2: supplier usecases

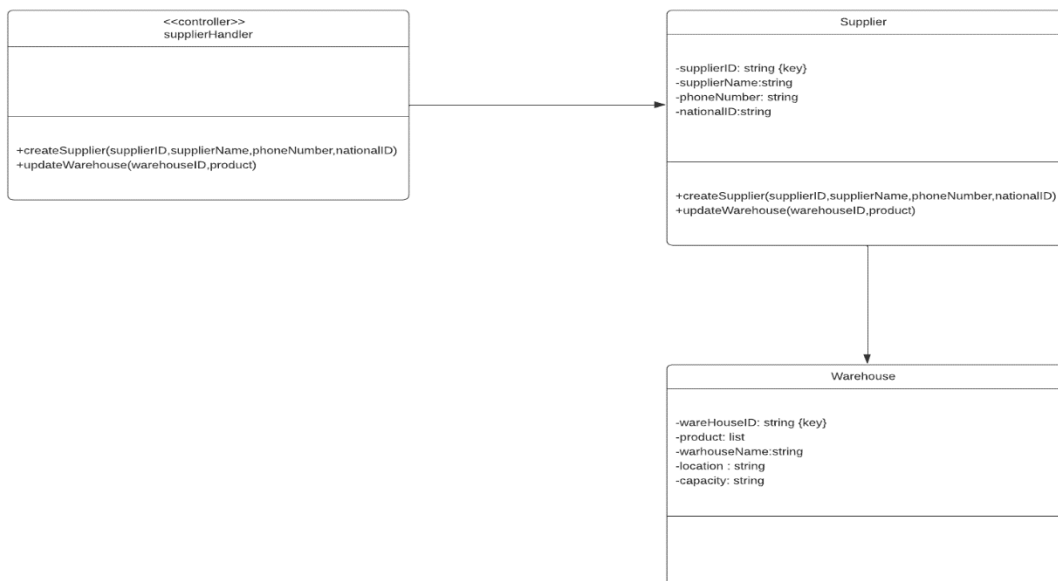


Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023



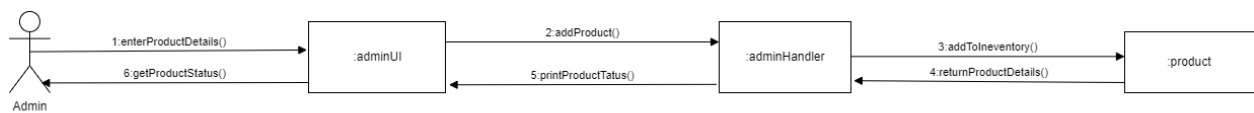
CRC Card (1) partial class diagram for usecases :addOffer &addProduct



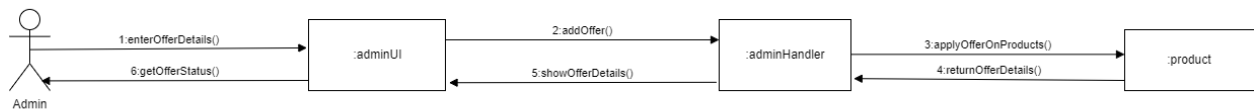
CRC Card (2) partial class diagram for usecase : supply warehouse



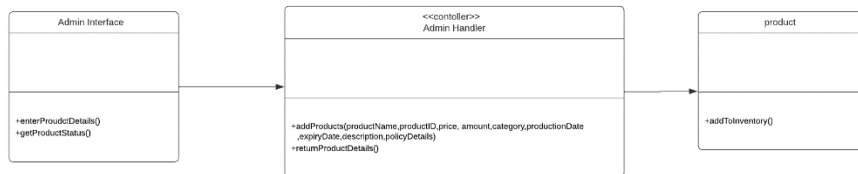
b. Generate and draw a **partial class diagram** using **communication diagram (show steps)**.



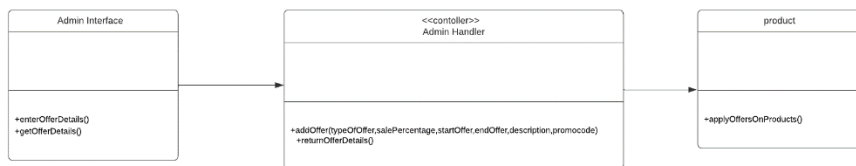
Communication Diagram (1): adding products by admin



Communication Diagram (2): adding offer by admin



partial class diagram for communication diagram (1) : use case" add Product"



partial class diagram for communication diagram (2) : use case" add offer"



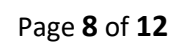
Cairo University
Faculty of Computers and Artificial Intelligence
IS Department

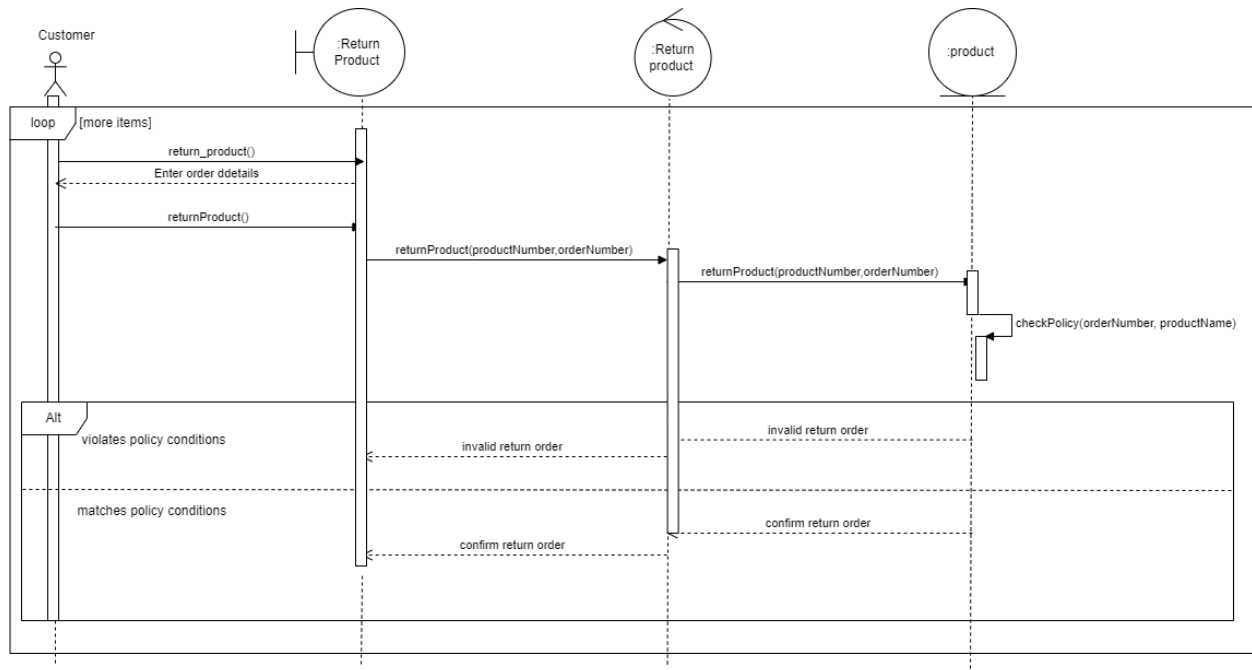
Course code: IS332
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023

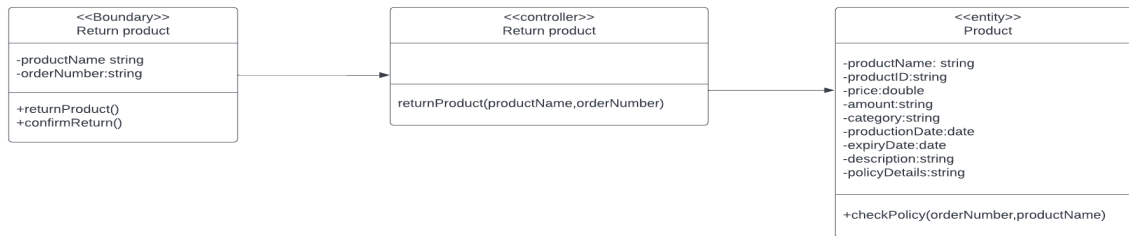
2. Select two complex use cases:
 - Generate and draw a **partial class diagram** using **multi-layer sequence diagram** (show steps).



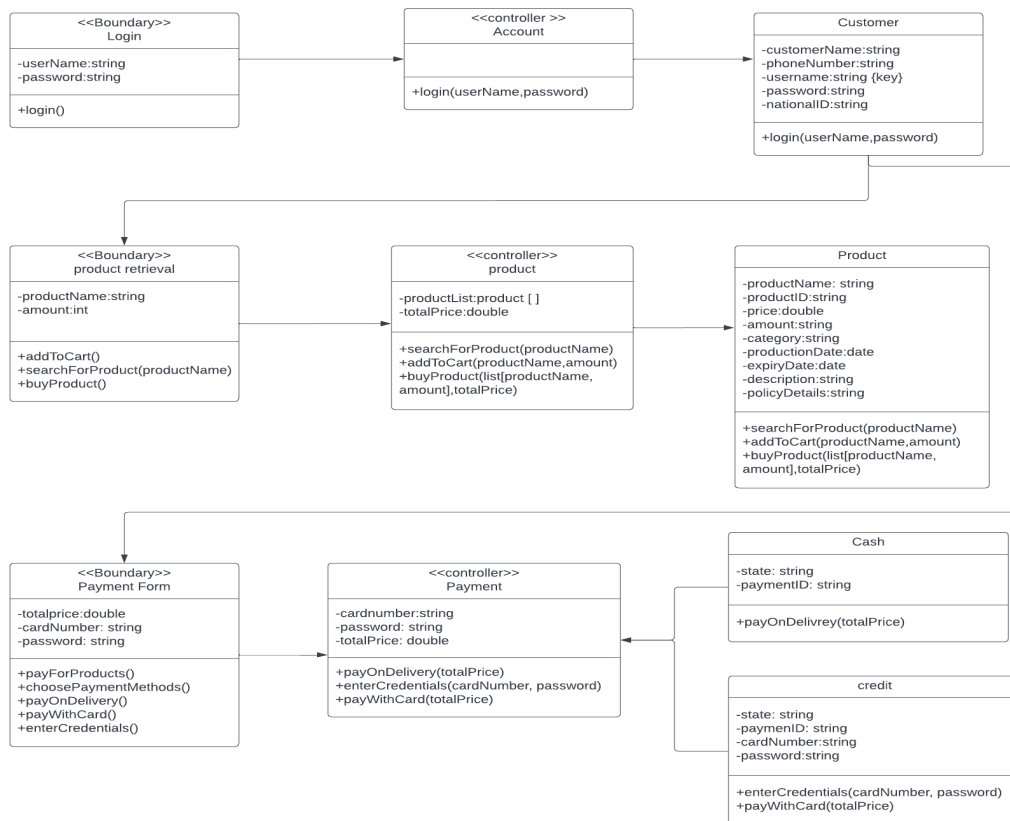
Course: Analysis and Design of Information Systems
Under supervision: Dr. Iman Helal – Dr. Dina Ezzat
Academic Year: 2022-2023







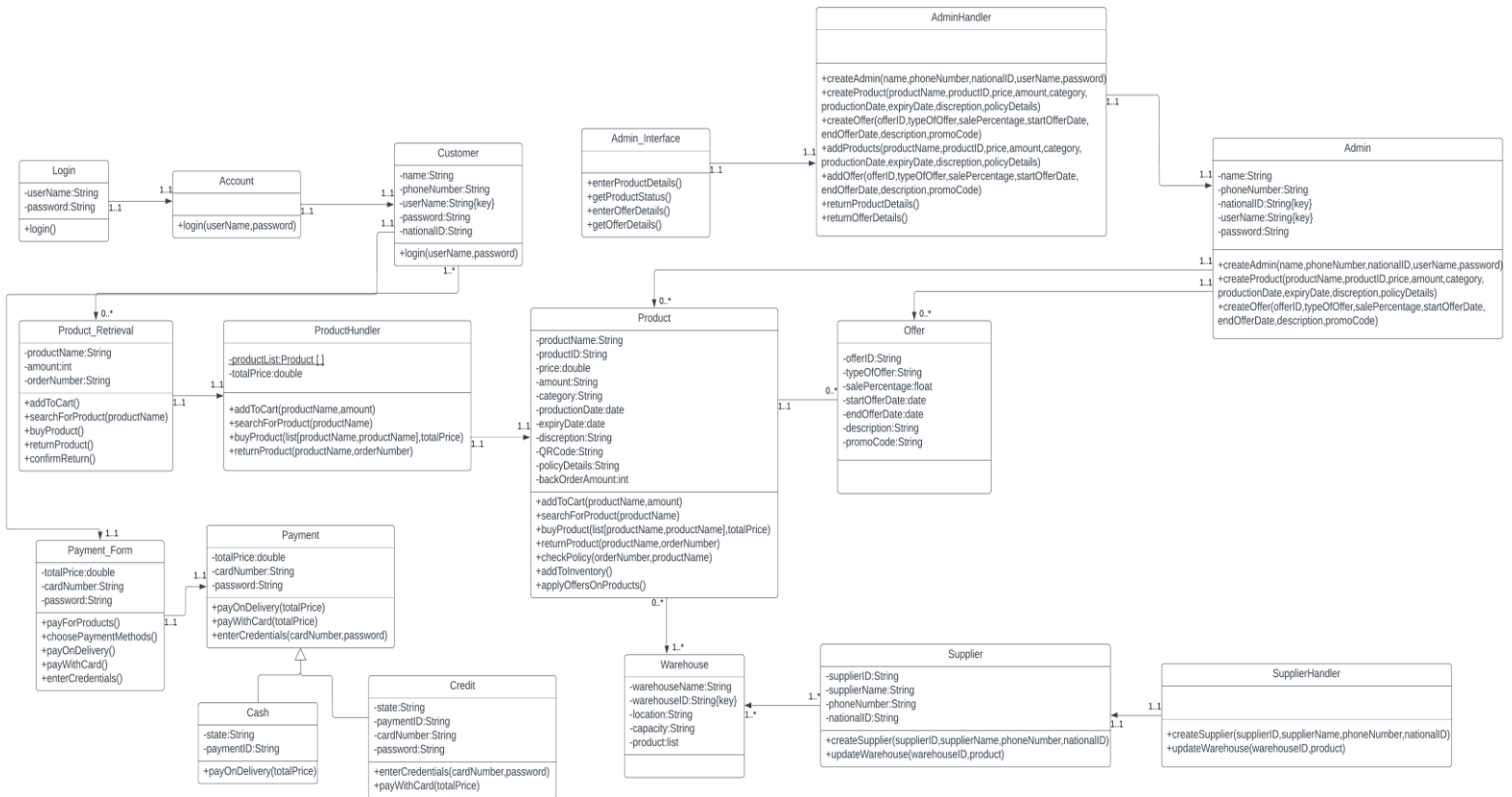
partial class diagram for sequence diagram (1): usecase "Return Product"



partial class diagram for sequence diagram (2): usecase "buy product" with its includes



3. Generate and draw final-cut class diagram output from 1.a, 1.b, and 2 [Fully defined attributes and methods, navigation, multiplicity].





4. Generate and draw **package diagram** from the resulted detailed class diagram in 3.

