**Project Details**

|  |  |
| --- | --- |
| Project number | *13* |
| Project title | *Mega store corporation* |
| Corresponding TA\LA | *Dina abbas* |
| Deliverable | *2* |

**Team Details**

|  |  |  |
| --- | --- | --- |
| **Student ID** | **Student name** | **Lab Group** |
| 20200186 | Reem Ayman Abdel-fattah | S7 |
| 20200228 | Salma Sherif Mostafa | S7 |
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| 20201064 | Rahma El-sayed Abo El-gheet | S7 |
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| 20200173 | Dina Othman Emam | S1 |
| 20200734 | Sara Mahmoud Mohamed | S8 |

1. **CRUD technique:**

Verify use cases using CRUD technique

|  |  |  |
| --- | --- | --- |
| DATA ENTITY/DOMAIN CLASS | C R U D | VERIFIED USE CASE |
| manager | Create | Make offers /make deals |
|  | Read/report | Check reports |
|  | Update | Change product price |
|  | Delete |  |

|  |  |  |
| --- | --- | --- |
| DATA ENTITY/DOMAIN CLASS | C R U D | VERIFIED USE CASE |
| supplier | Create | Make deals /provide products |
|  | Read/report |  |
|  | Update |  |
|  | Delete |  |

|  |  |  |
| --- | --- | --- |
| DATA ENTITY/DOMAIN CLASS | C R U D | VERIFIED USE CASE |
| Sub-system | Create | Make receipt |
|  | Read/report | Check item /check reusable bag |
|  | Update | Change point |
|  | Delete | Sell product |

|  |  |  |
| --- | --- | --- |
| DATA ENTITY/DOMAIN CLASS | C R U D | VERIFIED USE CASE |
| Customer | Create | Create customer account |
|  | Read/report | Check offers /search and view product /view points |
|  | Update | Update customer account |
|  | Delete | Update customer account (to archive) |

CRUD table showing use cases and corresponding domain classes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use case vs. entity/domain class | Manager | Supplier | Sub-system | Customer |
| Change product price | U |  |  |  |
| Make deals | C | C |  |  |
| Provide product |  | C |  |  |
| Make offer | C |  |  |  |
| Make receipt |  |  | C |  |
| Check item |  |  | R |  |
| Check reusable bag |  |  | R |  |
| Change point |  |  | U |  |
| Check offers |  |  |  | R |
| Search and view product |  |  |  | R |
| Sell products |  |  | D |  |
| View points |  |  |  | R |
| Check reports | R |  |  |  |

1. **Domain Class Model**

Diagram

Description automatically generated

1. **State Machine Model**

Diagram

Description automatically generated

1. Diagram

   Description automatically generated**Activity Diagrams**

Diagram, engineering drawing

Description automatically generatedReturn product

Diagram, engineering drawing

Description automatically generatedpay

1. Diagram

   Description automatically generated**System Sequence Diagrams**

**Table

Description automatically generated**

**Return product**

Diagram

Description automatically generated

Assumption

Every customer has an account in system

Used tool

Draw.io

Visual paradigm online