*Electronics Market*

* *Introduction:*

The idea of the project came to have a model that can help manage a market in the field of electronics. In fact, there are a lot of examples of these categories of markets, e.g RadioShack and Virgin … etc. The application is a simple simulation to what exactly happens in real.

* *Description*

The design models different parts of the systems. It keeps updates of *Employees*, their *Departments* and *Jobs*. Also, there is a model to available *Products* on the store with their *Agent* suppliers. Finally, we keep a record for *customers* who have already bought from the store.

* *ERD*

Given the ERD in the last sheet, we can conclude the schema diagram.

* *Schema Diagram*
* EMPLOYEE

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SSN | FName | LName | Gender | B\_Date | Job\_ID | Job\_Hour | SSN\_Supervisor | Dep\_ID |

* PRODUCT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Part\_ID | Product\_Quantity | Part\_Name | Price | Dep\_ID | Agent\_ID |

* AGENT

|  |  |  |
| --- | --- | --- |
| Agent\_ID | Agent\_Name | Representative\_Name |

* JOB

|  |  |  |
| --- | --- | --- |
| Job\_ID | Job\_Name | Salary |

* Departement

|  |  |  |  |
| --- | --- | --- | --- |
| Dep\_ID | Dep\_Name | Location | Manager\_SSN |

* CUSTOMER

|  |  |  |
| --- | --- | --- |
| Checkout\_Number | Total\_Price | Payment\_Method |

* *Application Window*

In the application window, we can perform the basic operations on the database such as *Add*, *Delete, Update, Perform a Query, Buy a product from a cashier window.*

Password: electronicsmarket

Presented By:

* Tarek Abd El-Aziz Mustafa
* Abd El-Rahman Hosny Mohammed
* Abd El-Salam Sawy
* Abd El-Sadek Nady
* Alaa Attyea
* Esam Abd El-Raouf

Directed By:

Eng. Ahmed Ibrahim Talloba

