

**Data Base ENCS333**

**Final report:  
Al-Ali Electronics Shop**

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* *Introduction:*

The idea of the project came from the need to help manage an electronics shop. In fact, this application done in general and simple form so that it could be applied at any electronics shop.

* *Description*

The system divided to several parts. It covered *Employees*, *Departments*, *Jobs*, *Products*, *Agent*, *Customers*.

* *ER Diagram*

Given the ER Diagram in the last sheet.

* *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.*

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