

**AHSANULLAH UNIVERSITY OF SCIENCE & TECHNOLOGY**

**Department of Computer Science & Engineering**

**COURSE TITLE : DATABASE LAB**

**COURSE NO : CSE 3104**

**PROJECT PROPOSAL**

**Project Name : Tailor Shop Management System**

**Section : C**

**Group No : C2-05**

**Year & Semester : 3rd Year 1st Semester**

**Group Members :**

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**Project Proposal :**

* **Motivation :**
* **It is very difficult to store the necessary information like customer's information, Dress details etc. using register copy .**
* **There is a risk of losing any information and data using register copy .**
* **It is very difficult to search any previous information and data using register copy .**
* **It is also very difficult to organized all the works and maintain the delivery date using register copy .**

**By using database , all those problems mentioned above can be solved and handled easily and smartly .**

* **Prospective Clients for Software :**
* **Any types of Tailor like Smart Tailor Shop .**
* **Searching Options Descriptions :**
* **Customer\_ID :** By using Customer\_ID , all the information of a customer can be found out .
* **Phone\_Number :** By using Phone\_Number , all the information of a customer can also be found out .
* **Order\_ID :** By using Order\_ID , all the information of an order can be found out .
* **Dress\_ID :** By using Dress\_ID , all the information of a Dress like Dress\_name , cost can be found out .

**Project Structure :**

* **Tables & Attributes :**

* **Table 1 : Customer\_Info**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes Name** | **Description** | **Type** | **Length** |
| Customer\_ID | Unique id for each customer | varchar | 9 |
| Customer\_Name | Name of a customer | varchar | 25 |
| Phone\_Number | Phone number of a customer | varchar | 11 |
| Gender | Gender of a customer | varchar | 6 |
| Address | Contact address of a customer | varchar | 25 |
| Number\_of\_order | Number of order of a customer | int | --- |

* **Table 2 : Order\_List**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes Name** | **Description** | **Type** | **Length** |
| Customer\_ID | Unique id for each customer | varchar | 9 |
| Order\_ID | Unique id for each order | int | --- |
| Order\_Date | Order receiving date | date | --- |
| Delivery\_Date | Dress delivering date | date | --- |
| Dress\_ID | Unique id for each type of dress | varchar | 6 |
| Cost | Dress preparing cost | int | --- |
| Discount | Discount rate on the cost | int | --- |

* **Table 3 : Dress\_Category**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes Name** | **Description** | **Type** | **Length** |
| Dress\_ID | Unique id for each type of dress | varchar | 9 |
| Dress\_Name | Name of a Dress | varchar | 15 |
| Cost | Dress preparing cost | int | --- |

* **Table 4 : Deliveried\_Dress**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes Name** | **Description** | **Type** | **Length** |
| Customer\_ID | Unique id for each customer | varchar | 9 |
| Order\_ID | Unique id for each order | int | --- |
| Order\_Date | Order receiving date | date | --- |
| Delivery\_Date | Dress delivering date | date | --- |
| Dress\_ID | Unique id for each type of dress | varchar | 6 |
| Cost | Dress preparing cost | int | --- |
| Discount | Discount rate on the cost | int | --- |

* **Table 5 : Measurements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes Name** | **Description** | **Type** | **Length** |
| Serial\_Number | Serial Number of the Dress list | int | --- |
| Order\_ID | Unique id for each order | int | --- |
| Neck | A part of measurement | double | --- |
| Chest | A part of measurement | double | --- |
| Height | A part of measurement | double | --- |
| Wrist | A part of measurement | double | --- |
| Hip | A part of measurement | double | --- |

* **Tables Keys :**

|  |  |  |
| --- | --- | --- |
| **Table Name** | **Attributes Name** | **Key Type** |
| Customer\_Info | Customer\_ID | Primary Key |
| Order\_List | Customer\_ID | Foreign Key |
| Order\_ID | Primary Key |
| Dress\_ID | Foreign Key |
| Dress\_Category | Dress\_ID | Primary Key |
| Deliveried\_Dress | Customer\_ID | Foreign Key |
| Order\_ID | Primary Key |
| Dress\_ID | Foreign Key |
| Measurements | Serial\_Number | Primary Key |
| Order\_ID | Foreign Key |

**Project Design :**

* **ER Diagram :**

**Has some**

**Has a**

**1**

**1**

**1**

**1**

**1**

**1**

**N**

**1**

**Deliveried\_Product**

**Will be delivered into**

**Can place**

**Measurements**

**Dress\_Category**

**Customer\_Info**

**Order\_List**