**DETAILED DESIGN**

**1.1 Schema Diagram**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **USERNAME** |  |  |  | **Password** | | |  | **ad\_id** |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Account:** |  |  |  |  |  |  |  |  |  |  |
|  |  |  | |  |  |  |  |  |  |  |
| **acc\_no** |  | **balance** | | |  | **ad\_id** |  |  | **clerk\_id** | |
|  |  |  |  |  |  |  |  |  |  |  |
| **Clerk:** |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  | |  |
| **clerk\_id** |  |  |  | **username** | | |  | **password** | | |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| CUSTOMER: |  | | | |  | |  | |  |  |
| **cus\_id** | **name** | | | | **password** | | **acc\_no** | |  | **clerk\_id** |
|  |  |  |  |  |  |  |  |  |  |  |
| **Menu:** |  |  |  |  |  |  |  |  |  |  |
|  |  |  | | |  |  |  |  |  | |
| **item\_id** |  | **item** | | |  | **price** |  |  | **ad\_id** | |
|  |  |  |  |  |  |  |  |  |  |  |
| **ORDERS\_TO:** |  |  |  |  |  |  |  |  |  |  |

**Take from other print out**

**1.2 Definition of tables**

CREATE TABLE wall\_signup

(

usn varchar(20) NOT NULL,

name char(255) NOT NULL,

password varchar(255),

phnumber int(255),

email\_id varchar(255),

PRIMARY KEY (usn)

)

CREATE TABLE wall\_signup2

(

name char(255) NOT NULL,

password varchar(255),

username varchar(255),

PRIMARY KEY (username)

)

CREATE TABLE wall\_menu1

(

item\_id int(20) NOT NULL AUTO\_INCREMENT,

item\_name char(255) NOT NULL,

cost int(20),

quantity int(20),

PRIMARY KEY (item\_id)

)

CREATE TABLE wall\_order

(

order\_id int(20) NOT NULL AUTO\_INCREMENT,

items\_ordered varchar(255) NOT NULL,

usn varchar(20),

can\_timestamp TIMESTAMP,

PRIMARY KEY (order\_id)

)

CREATE TABLE wall\_order

(

order\_id int(20) NOT NULL AUTO\_INCREMENT,

items\_ordered varchar(255) NOT NULL,

usn varchar(20),

can\_timestamp TIMESTAMP,

PRIMARY KEY (order\_id),

FOREIGN KEY (usn) REFERENCES wall\_signup(usn)on update cascade on delete cascade

)

CREATE TABLE wall\_account

(

usn varchar(20),

balance int(20),

PRIMARY KEY (usn),

FOREIGN KEY (usn) REFERENCES wall\_signup(usn)on update cascade on delete cascade

)

CREATE TABLE wall\_coupon

(

code varchar(20),

percentage int(20),

PRIMARY KEY (code)

)

CREATE TABLE wall\_feedback

(

usn varchar(20),

feedback varchar(1000),

PRIMARY KEY (usn),

FOREIGN KEY (usn) REFERENCES wall\_signup(usn)on update cascade on delete cascade

)

CREATE TABLE item\_ordrd

(

itord\_id int(20),

dosa int(20),

idly int(20),

s\_meals int(20),

r\_curry int(20),

paratha int(20),

thali int(20),

gobi int(20),

noodles int(20) ,

f\_rice int(20),

PRIMARY KEY (itord\_id),

FOREIGN KEY (itord\_id) REFERENCES wall\_order(order\_id)on update cascade on delete cascade

)

ALTER TABLE wall\_order

ADD status char(20);

**1.3 Definition of relations and the cardinality ratios of the participating entities**

**Table 4.3** Cardinality Ratios

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Participating**  **Entity 1** | **Relation** | **Participating**  **Entity 2** | **Cardinality Ratio** |
| 1. | Customer | has | Account | 1:1 |
| 2. | Clerk | sets | orders | 1:N |
| 3. | Customer | Orders\_to | Clerk | n:m |
| 4. | Admin | Manages | accounts | 1:N |
| 5. | Admin | Manages | menu | 1:1 |
| 6. | Customer | uses | menu | 1:1 |