**MOBILE SERVICE MANAGEMENT SYSTEM (MSMS)**

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**https://github.com/mahesh279/database-systems.git**

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**Week2**

In continuation of my draft proposal from last week, below mentioned are the list of tables used for **MSMS**;

1. Customers table: describes cust\_ID, cust\_name, cust\_phone, cust\_device & cust\_units.
2. Devices table: describes dev\_ID, dev\_make, dev\_model, dev\_version & dev\_accessories.
3. Accessories table: describes acc\_ID, acc\_name, acc\_inward, acc\_buy\_rate & acc\_outward.
4. Store table: describes str\_ID, str\_name, str\_roles & str\_tech\_exp.
5. Bills table: describes b\_ID, b\_name, b\_services, b\_accessories, b\_price, b\_units & b\_amount.

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| **Customers table:** | | |
| CUST\_ID | INT | Primary Key |
| CUST\_NAME | VARCHAR (20) |  |
| CUST\_PHONE | INT |  |
| CUST\_DEVICE | VARCHAR (20) |  |
| CUST\_UNITS | INT |  |

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| --- | --- | --- |
| **Devices table:** | | |
| DEV\_ID | INT | Primary Key |
| DEV\_MAKE | VARCHAR (20) |  |
| DEV\_MODEL | VARCHAR (20) |  |
| DEV\_VERSION | VARCHAR (20) |  |
| DEV\_ACCSSORIES | VARCHAR (20) |  |

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| **Accessories table:** | | |
| ACC\_ID | INT | Primary Key |
| ACC \_NAME | VARCHAR (20) |  |
| ACC \_INWARD | INT |  |
| ACC \_BUY\_RATE | INT |  |
| ACC \_OUTWARD | INT |  |

|  |  |  |
| --- | --- | --- |
| **Store table:** | | |
| STR\_ID | INT | Primary Key |
| STR\_NAME | VARCHAR (20) |  |
| STR\_ROLE | VARCHAR (20) |  |
| STR\_TECH\_EXP | VARCHAR (20) |  |

|  |  |  |
| --- | --- | --- |
| **Bills table:** | | |
| B\_ID | INT | Primary Key |
| B\_NAME | VARCHAR (20) |  |
| B\_SERVICES | VARCHAR (20) |  |
| B\_ACCESSORIES | VARCHAR (20) |  |
| B\_PRICE | INT |  |
| B\_UNITS | INT |  |
| B\_AMOUNT | INT |  |

CREATE TABLE ACCESSORIES (

ACC\_ID INT (5) NOT NULL AUTO\_INCREMENT,

ACC\_NAME VARCHAR (20),

ACC\_INWARD INT (5),

ACC\_BUY\_RATE INT (5),

ACC\_OUTWARD INT (5),

CONSTRAINT ACCESSORIES\_PK PRIMARY KEY (ACC\_ID)

);

CREATE TABLE BILLS (

B\_ID INT (5) NOT NULL AUTO\_INCREMENT,

B\_NAME VARCHAR (20),

B\_SERVICES VARCHAR (20),

B\_ACCESSORIES VARCHAR (20),

B\_PRICE INT (5),

B\_UNITS INT (5),

B\_AMOUNT INT (5),

CONSTRAINT BILLS\_PK PRIMARY KEY (B\_ID)

);

CREATE TABLE CUSTOMERS (

CUST\_ID INT (5) NOT NULL AUTO\_INCREMENT,

CUST\_NAME VARCHAR (20),

CUST\_PHONE INT (5),

CUST\_DEVICE VARCHAR (20),

CUST\_UNITS INT (5),

CONSTRAINT CUSTOMERS\_PK PRIMARY KEY (CUST\_ID)

);

CREATE TABLE DEVICES (

DEV\_ID INT (5) NOT NULL AUTO\_INCREMENT,

DEV\_MAKE VARCHAR (20),

DEV\_MODEL VARCHAR (20),

DEV\_VERSION VARCHAR (20),

DEV\_ACCSSORIES VARCHAR (20),

CONSTRAINT DEVICES\_PK PRIMARY KEY (DEV\_ID)

);

CREATE TABLE STORES (

STR\_TECH\_NAME VARCHAR (20) NOT NULL ENABLE,

STR\_TECH\_ID INT (5),

STR\_TECH\_ROLE VARCHAR (20),

STR\_TECH\_EXP VARCHAR2(20),

CONSTRAINT STORES\_PK PRIMARY KEY (STR\_TECH\_NAME)

);

INSERT INTO ACCESSORIES VALUES ('1', 'Touch Screen', '100', '28', '6');

INSERT INTO ACCESSORIES VALUES ('2', 'Board', '256', '98', '121');

INSERT INTO ACCESSORIES VALUES ('3', 'Speaker', '157', '37', '18');

INSERT INTO ACCESSORIES VALUES ('4', 'Microphone', '118', '75', '17');

INSERT INTO ACCESSORIES VALUES ('5', 'Bluetooth', '342', '156', '234');

INSERT INTO BILLS VALUES ('1', 'Jonty', 'Maintenance', 'Bluetooth', '210', '1', '210');

INSERT INTO BILLS VALUES ('2', 'Carlson', 'Maintenance', 'Touch Screen', '100', '1', '100');

INSERT INTO BILLS VALUES ('3', 'Hudson', 'Maintenance', 'Micro Phone', '150', '1', '150');

INSERT INTO BILLS VALUES ('4', 'Candela', 'Maintenance', 'Speaker', '120', '1', '120');

INSERT INTO BILLS VALUES ('5', 'Dave', 'Maintenance', 'Board', '150', '1', '150');

INSERT INTO CUSTOMERS VALUES ('1', 'Daniel', '123456', 'Samsung G3', '1');

INSERT INTO CUSTOMERS VALUES ('2', 'Ruban', '345678', 'Iphone', '2');

INSERT INTO CUSTOMERS VALUES ('3', 'Lourd Raj', '567844', 'Motorola V6', '1');

INSERT INTO CUSTOMERS VALUES ('4', 'Stella', '764533', 'Ericsson', '1');

INSERT INTO CUSTOMERS VALUES ('5', 'Phillips', '967956', 'Nokia', '2');

INSERT INTO DEVICES VALUES ('1', 'Apple', 'I6', '2.0', 'Speaker');

INSERT INTO DEVICES VALUES ('2', 'Samsung', 'g3', '9.1', 'Display');

INSERT INTO DEVICES VALUES ('3', 'Ericson', 'e7', '3.2', 'Bluetooth');

INSERT INTO DEVICES VALUES ('4', 'Samsung', 'g3', '9.1', 'Micro Phone');

INSERT INTO DEVICES VALUES ('5', 'Oppo', 'o4', '3.2', 'Camera');

INSERT INTO STORES VALUES ('Alice', '1', 'Technician', 'Mobiles');

INSERT INTO STORES VALUES ('Donald', '2', 'Supervisor', 'Tablets');

INSERT INTO STORES VALUES ('Johnson', '3', 'Technician', 'Tablets');

INSERT INTO STORES VALUES ('Charlie', '4', 'Assembler', 'Mobiles');

INSERT INTO STORES VALUES ('Phantom', '5', 'Grader', 'Mobiles');