

```
USE medication_db;
```

```
DROP TABLE IF EXISTS generics;  
DROP TABLE IF EXISTS user_meds_list;  
DROP TABLE IF EXISTS med_adverse_reactions;  
DROP TABLE IF EXISTS adverse_reactions;  
DROP TABLE IF EXISTS medications;  
DROP TABLE IF EXISTS users;
```

```
CREATE TABLE adverse_reactions (  
    reaction_pk int unsigned NOT NULL AUTO_INCREMENT,  
    reaction_severity enum('SEVERE', 'MODERATE', 'MILD') NOT NULL,  
    reaction varchar(40) NOT NULL,  
    PRIMARY KEY (reaction_pk)  
);
```

```
CREATE TABLE medications (  
    med_pk int unsigned NOT NULL AUTO_INCREMENT,  
    brand_name varchar(40) NOT NULL,  
    has_reaction boolean NOT NULL,  
    PRIMARY KEY (med_pk)  
);
```

```
CREATE TABLE users (  
    user_pk int unsigned NOT NULL AUTO_INCREMENT,  
    pseudo_name varchar(40) NOT NULL,  
    age int NOT NULL,  
    date_of_eval varchar(10) NOT NULL,  
    date_of_discharge varchar(10),  
    med_dx_icd varchar(20) NOT NULL,  
    tx_dx_icd varchar(20) NOT NULL,  
    PRIMARY KEY (user_pk)  
);
```

```
CREATE TABLE med_adverse_reactions (  
    med_adverse_reaction_pk int unsigned NOT NULL AUTO_INCREMENT,  
    med_fk int unsigned NOT NULL,  
    reaction_fk int unsigned NOT NULL,  
    PRIMARY KEY (med_adverse_reaction_pk),  
    FOREIGN KEY (med_fk) REFERENCES medications (med_pk),  
    FOREIGN KEY (reaction_fk) REFERENCES adverse_reactions  
(reaction_pk)  
);
```

```
CREATE TABLE user_meds_list (  
    user_meds_list_pk int unsigned NOT NULL AUTO_INCREMENT,  
    user_fk int unsigned NOT NULL,  
    med_fk int unsigned NOT NULL,  
    PRIMARY KEY (user_meds_list_pk),  
    FOREIGN KEY (user_fk) REFERENCES users (user_pk),
```

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        FOREIGN KEY (med_fk) REFERENCES medications (med_pk)
    );

CREATE TABLE generics (
    generic_pk int unsigned NOT NULL AUTO_INCREMENT,
    med_fk int unsigned NOT NULL,
    generic_name varchar(40),
    PRIMARY KEY (generic_pk),
    FOREIGN KEY (med_fk) REFERENCES medications (med_pk)
);
```