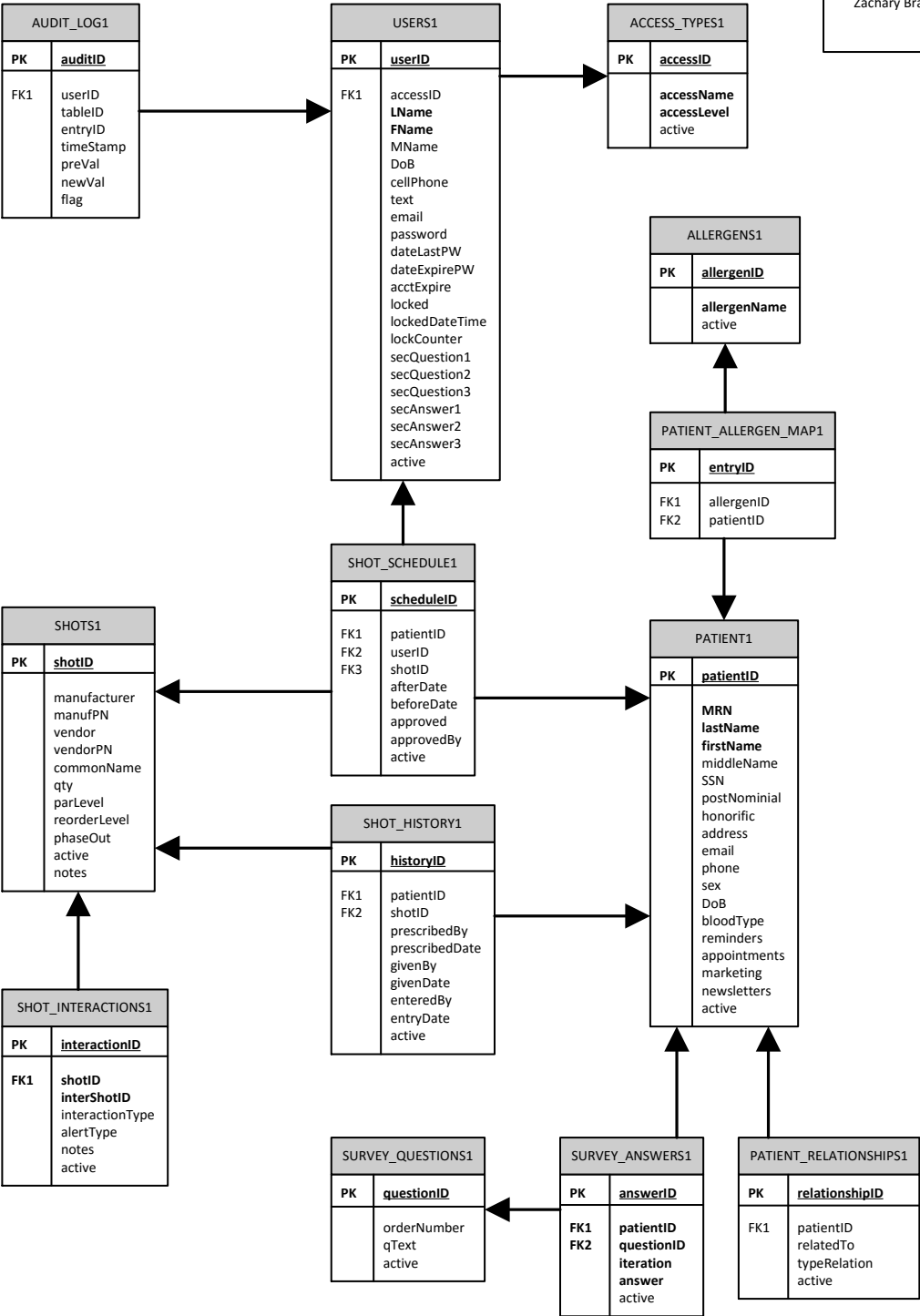


CSCE3513 SOFTWARE ENGINEERING PROJECT
GROUP 3 | PHARMACY SHOT TRACKING

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DATABASE TABLES CONSTRUCTION

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```

CREATE TABLE USERS
(
    USERID          INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    accessID        INT          NULL,
    LName           VARCHAR(MAX) NULL,
    FName          VARCHAR(MAX) NULL,
    MName          VARCHAR(MAX) NULL,
    DOB            DATETIME     NULL,
    cellPhone       INT          NULL,
    text            BINARY(1)    NULL,
    email           VARCHAR(MAX) NULL,
    password        VARCHAR(MAX) NULL,
    dateLastPW      DATETIME     NULL,
    dateExpirePW    DATETIME     NULL,
    acctExpire      DATETIME     NULL,
    locked          BINARY(1)    NULL,
    lockedDateTime  DATETIME     NULL,
    lockCounter     INT          NULL,
    secQ1           VARCHAR(MAX) NULL,
    secQ2           VARCHAR(MAX) NULL,
    secQ3           VARCHAR(MAX) NULL,
    secA1           VARCHAR(MAX) NULL,
    secA2           VARCHAR(MAX) NULL,
    secA3           VARCHAR(MAX) NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE ACCESS_TYPES
(
    accessID        INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    accessName      VARCHAR(MAX) NULL,
    accessLevel     INT          NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE AUDIT_LOG
(
    auditID         INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    userID          INT          NULL,
    tableID         INT          NULL,
    entryID         INT          NULL,
    timestamp       DATETIME     NULL,
    preVal          VARCHAR(MAX) NULL,
    newVal          VARCHAR(MAX) NULL,
    flag            BINARY(1)    NULL
);

CREATE TABLE PATIENT_ALLERGEN_MAP
(
    allergenID      INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    allergenName    VARCHAR(MAX) NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE ALLERGENS
(
    allergenID      INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    patientID       INT          NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE PATIENT
(
    patientID       INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    MRN             INT          NULL,
    lastName        VARCHAR(100) NULL,
    firstName       VARCHAR(100) NULL,
    middleName      VARCHAR(100) NULL,
    SSN             INT          NULL,
    postNominal     VARCHAR(15)  NULL,
    honorific       VARCHAR(15)  NULL,
    address         VARCHAR(MAX) NULL,
    email           VARCHAR(MAX) NULL,
    phone           INT          NULL,
    sex             VARCHAR(6)   NULL,
    DOB             DATETIME     NULL,
    bloodType       VARCHAR(5)   NULL,
    reminders       BINARY(1)    NULL,
    appointments    BINARY(1)    NULL,
    marketing       BINARY(1)    NULL,
    newsletters     BINARY(1)    NULL,
    active          BINARY(1)    NULL
);

```

```

CREATE TABLE SHOT_SCHEDULE
(
    scheduleID      INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    patientID       INT          NULL,
    userID          INT          NULL,
    shotID          INT          NULL,
    afterDate       DATETIME     NULL,
    beforeDate      DATETIME     NULL,
    approved        BINARY(1)    NULL,
    approvedBy     INT          NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE SHOTS
(
    shotID          INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    manufacturer    VARCHAR(MAX) NULL,
    manufacturerPN  VARCHAR(MAX) NULL,
    vendor          VARCHAR(MAX) NULL,
    vendorPN       VARCHAR(MAX) NULL,
    commonName      VARCHAR(MAX) NULL,
    qty             INT          NULL,
    parLevel        INT          NULL,
    reorderLevel    INT          NULL,
    phaseOut        BINARY(1)    NULL,
    active          BINARY(1)    NULL,
    notes           VARCHAR(MAX) NULL
);

CREATE TABLE SHOT_HISTORY
(
    historyID       INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    patientID       INT          NULL,
    shotID          INT          NULL,
    prescribedBy    INT          NULL,
    prescribedDate  DATETIME     NULL,
    givenBy         INT          NULL,
    givenDate       DATETIME     NULL,
    enteredBy       INT          NULL,
    enteredDate     DATETIME     NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE SHOT_INTERACTIONS
(
    interactionID   INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    shotID         INT          NULL,
    interShotID     INT          NULL,
    interactionType VARCHAR(MAX) NULL,
    alertType       VARCHAR(15)  NULL,
    notes           VARCHAR(MAX) NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE SURVEY_QUESTIONS
(
    questionID      INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    orderNumber     INT          NULL,
    qText           VARCHAR(MAX) NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE SURVEY_ANSWERS
(
    answerID        INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    patientID       INT          NULL,
    questionID      INT          NULL,
    iteration        INT          NULL,
    answer          VARCHAR(MAX) NULL,
    active          BINARY(1)    NULL
);

CREATE TABLE PATIENT_RELATIONSHIPS
(
    patientID       INT          NOT NULL          IDENTITY(1,1)    PRIMARY KEY,
    relationID      INT          NULL,
    relatedTo       INT          NULL,
    typeRelation    VARCHAR(15)  NULL,
    active          BINARY(1)    NULL
);

```