CREATE TABLE `User Account` (

    `user\_id` INT NOT NULL AUTO\_INCREMENT,

    `username` VARCHAR(255) UNIQUE NOT NULL,

    `email` VARCHAR(255),

    `password` VARCHAR(255),

    `role` ENUM('Patient', 'Doctor', 'Admin') NOT NULL,

    PRIMARY KEY (`user\_id`)

);

CREATE TABLE `Appointment` (

    `appointment\_id` INT NOT NULL AUTO\_INCREMENT,

    `user\_id` INT,

    `name` VARCHAR(255),

    `email` VARCHAR(255),

    `contact\_no` VARCHAR(255),

    `appointment\_date` DATE,

    `appointment\_time` TIME,

    `treatment\_type` ENUM('Check-up', 'Cleaning', 'Filling', 'Extraction') NOT NULL,

    `services` VARCHAR(255),

    `estimated\_cost` INT,

    `status` ENUM('Pending', 'Confirmed', 'Completed', 'Cancelled') NOT NULL,

    PRIMARY KEY (`appointment\_id`),

    FOREIGN KEY (`user\_id`) REFERENCES `User Account`(`user\_id`)

);

CREATE TABLE `Treatment Plan` (

    `treatment\_id` INT NOT NULL AUTO\_INCREMENT,

    `user\_id` INT,

    `name` VARCHAR(255),

    `email` VARCHAR(255),

    `contact\_no` VARCHAR(255),

    `treatment\_type` ENUM('Root Canal', 'Crown', 'Implant') NOT NULL,

    `services` VARCHAR(255),

    `attachment` BLOB,

    `diagnosis` TEXT,

    `objectives` TEXT,

    `consent\_date` DATE,

    `total\_session` ENUM('1', '2', '3', 'More than 3') NOT NULL,

    `notes` TEXT,

    `role` ENUM('Patient', 'Doctor', 'Admin') NOT NULL,

    PRIMARY KEY (`treatment\_id`),

    FOREIGN KEY (`user\_id`) REFERENCES `User Account`(`user\_id`)

);

CREATE TABLE `EMR` (

    `emr\_id` INT NOT NULL AUTO\_INCREMENT,

    `user\_id` INT,

    `name` VARCHAR(255),

    `contact\_no` VARCHAR(255),

    `email` VARCHAR(255),

    `treatment\_type` ENUM('Check-up', 'Cleaning', 'Filling', 'Extraction', 'Root Canal', 'Crown', 'Implant') NOT NULL,

    `services` VARCHAR(255),

    `attachment` BLOB,

    `objectives` TEXT,

    `diagnoses` TEXT,

    `consent\_date` DATE,

    `total\_sessions` ENUM('1', '2', '3', 'More than 3') NOT NULL,

    `status` ENUM('Active', 'Inactive', 'Archived') NOT NULL,

    PRIMARY KEY (`emr\_id`),

    FOREIGN KEY (`user\_id`) REFERENCES `User Account`(`user\_id`)

);

CREATE TABLE `Treatment Procedure` (

    `procedure\_id` INT NOT NULL AUTO\_INCREMENT,

    `treatment\_id` INT,

    `emr\_id` INT,

    `user\_id` INT,

    `procedure\_name` VARCHAR(255),

    `tooth\_no` INT,

    `session` INT,

    `date` DATE,

    `attachment` BLOB,

    `notes` TEXT,

    `status` ENUM('In Progress', 'Completed', 'Canceled') NOT NULL,

    PRIMARY KEY (`procedure\_id`),

    FOREIGN KEY (`treatment\_id`) REFERENCES `Treatment Plan`(`treatment\_id`),

    FOREIGN KEY (`emr\_id`) REFERENCES `EMR`(`emr\_id`),

    FOREIGN KEY (`user\_id`) REFERENCES `User Account`(`user\_id`)

);