6/1/2024

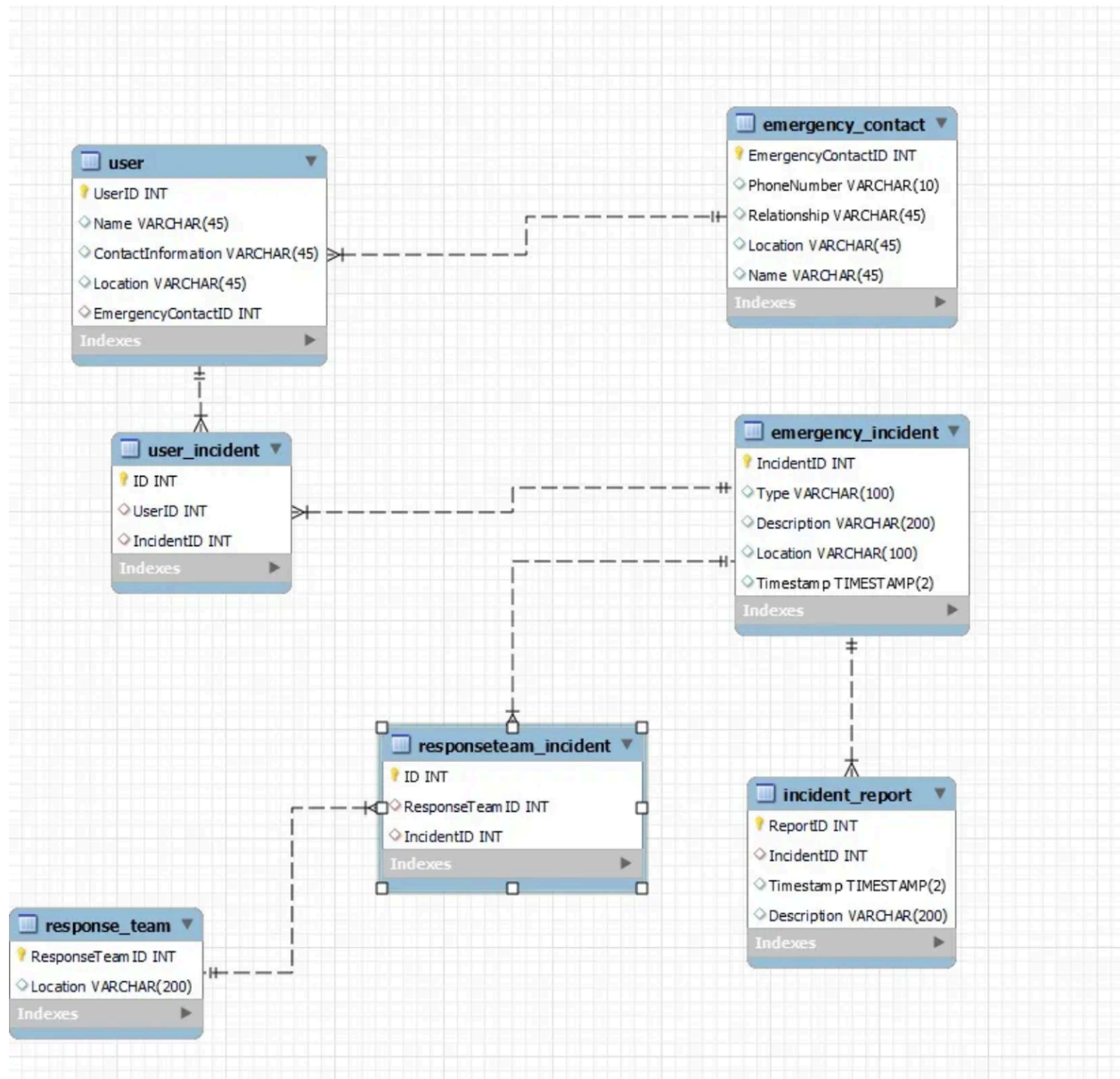**Project Response Team**

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Entity Relationship Diagram:

*Multiple users can report the same incident
*Multiple teams can be sent to the same incident
*Emergency contact data is deleted in case of user entity deletion
*Incident report data stays in case of deletion of emergency incident
*emergency incident info can be found even if only incident report available

```sql
CREATE TABLE IF NOT EXISTS `user` (
  `UserID` INT NOT NULL AUTO_INCREMENT,
  `Name` VARCHAR(45) NULL DEFAULT NULL,
  `ContactInformation` VARCHAR(45) NULL DEFAULT NULL,
  `Location` VARCHAR(45) NULL DEFAULT NULL,
  `EmergencyContactID` INT NULL DEFAULT NULL,
  PRIMARY KEY (`UserID`),

CREATE TABLE IF NOT EXISTS `response_team` (
  `ResponseTeamID` INT NOT NULL AUTO_INCREMENT,
  `Location` VARCHAR(200) NULL DEFAULT NULL,
  PRIMARY KEY (`ResponseTeamID`))

CREATE TABLE IF NOT EXISTS `emergency_incident` (
  `IncidentID` INT NOT NULL AUTO_INCREMENT,
  `Type` VARCHAR(100) NULL DEFAULT NULL,
  `Description` VARCHAR(200) NULL DEFAULT NULL,
  `Location` VARCHAR(100) NULL DEFAULT NULL,
  `Timestamp` TIMESTAMP(2) NULL DEFAULT NULL,
  PRIMARY KEY (`IncidentID`))

CREATE TABLE IF NOT EXISTS `responseteam_incident` (
  `ID` INT NOT NULL AUTO_INCREMENT,
  `ResponseTeamID` INT NULL DEFAULT NULL,
  `IncidentID` INT NULL DEFAULT NULL,
  PRIMARY KEY (`ID`),

CREATE TABLE IF NOT EXISTS `user_incident` (
  `ID` INT NOT NULL AUTO_INCREMENT,
  `UserID` INT NULL DEFAULT NULL,
  `IncidentID` INT NULL DEFAULT NULL,
  PRIMARY KEY (`ID`),

CREATE TABLE IF NOT EXISTS `emergency_contact` (
  `EmergencyContactID` INT NOT NULL AUTO_INCREMENT,
  `PhoneNumber` VARCHAR(10) NULL DEFAULT NULL,
  `Relationship` VARCHAR(45) NULL DEFAULT NULL,
  `Location` VARCHAR(45) NULL DEFAULT NULL,
  `Name` VARCHAR(45) NULL DEFAULT NULL,
```

```
    PRIMARY KEY (`EmergencyContactID`))

CREATE TABLE IF NOT EXISTS `incident_report` (
  `ReportID` INT NOT NULL AUTO_INCREMENT,
  `IncidentID` INT NULL DEFAULT NULL,
  `Timestamp` TIMESTAMP(2) NULL DEFAULT NULL,
  `Description` VARCHAR(200) NULL DEFAULT NULL,
  PRIMARY KEY (`ReportID`)
```