CREATE TABLE `DormResidentInfo` (

`StudentID` varchar(20) NOT NULL,

`Name` varchar(20) DEFAULT NULL,

`DormName` varchar(20) NOT NULL DEFAULT 'NOT SELECT',

`Authorization` varchar(20) DEFAULT NULL,

`AdminID` varchar(40) NOT NULL,

PRIMARY KEY (`StudentID`),

UNIQUE KEY `AdminID\_UNIQUE` (`AdminID`),

UNIQUE KEY `StudentID\_UNIQUE` (`StudentID`),

UNIQUE KEY `DormName\_UNIQUE` (`DormName`),

CONSTRAINT `StudentID` FOREIGN KEY (`StudentID`) REFERENCES `User` (`StudentID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

CREATE TABLE `ResidentVisitInformation` (

`RFID` varchar(80) NOT NULL,

`VisitDateTime` datetime DEFAULT NULL,

`LeaveDateTime` datetime DEFAULT NULL,

`Type` tinyint DEFAULT '0',

`AuthUser` varchar(40) NOT NULL,

UNIQUE KEY `RFID\_UNIQUE` (`RFID`),

UNIQUE KEY `AuthUser\_UNIQUE` (`AuthUser`),

CONSTRAINT `RFID` FOREIGN KEY (`RFID`) REFERENCES `User` (`ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

CREATE TABLE `User` (

`ID` varchar(40) NOT NULL,

`RFID` varchar(80) NOT NULL,

`Rank` int NOT NULL,

`Name` varchar(20) DEFAULT NULL,

`StudentID` varchar(20) NOT NULL DEFAULT '0',

PRIMARY KEY (`ID`),

UNIQUE KEY `RFID\_UNIQUE` (`RFID`),

UNIQUE KEY `ID\_UNIQUE` (`ID`),

UNIQUE KEY `StudentID\_UNIQUE` (`StudentID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

CREATE TABLE `User\_Group` (

`ID` varchar(20) NOT NULL,

`Rank` int NOT NULL,

`Authorizations` varchar(20) DEFAULT NULL,

PRIMARY KEY (`ID`),

UNIQUE KEY `ID\_UNIQUE` (`ID`),

CONSTRAINT `ID` FOREIGN KEY (`ID`) REFERENCES `User` (`ID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci

CREATE TABLE `VisiterInfo` (

`VisiterID` varchar(40) NOT NULL,

`Name` varchar(20) NOT NULL,

`DormName` varchar(20) NOT NULL DEFAULT 'NOT SELECT',

`Authorization` varchar(20) DEFAULT NULL,

`AuthUserID` varchar(20) NOT NULL,

`VisitDateTime` datetime NOT NULL,

`PermissionDuration` datetime DEFAULT NULL,

`LeaveDateTime` datetime NOT NULL,

PRIMARY KEY (`DormName`,`AuthUserID`),

UNIQUE KEY `VisiterID\_UNIQUE` (`VisiterID`),

UNIQUE KEY `DormName\_UNIQUE` (`DormName`),

CONSTRAINT `DormName` FOREIGN KEY (`DormName`) REFERENCES `DormResidentInfo` (`DormName`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci