Database Design & Implementation

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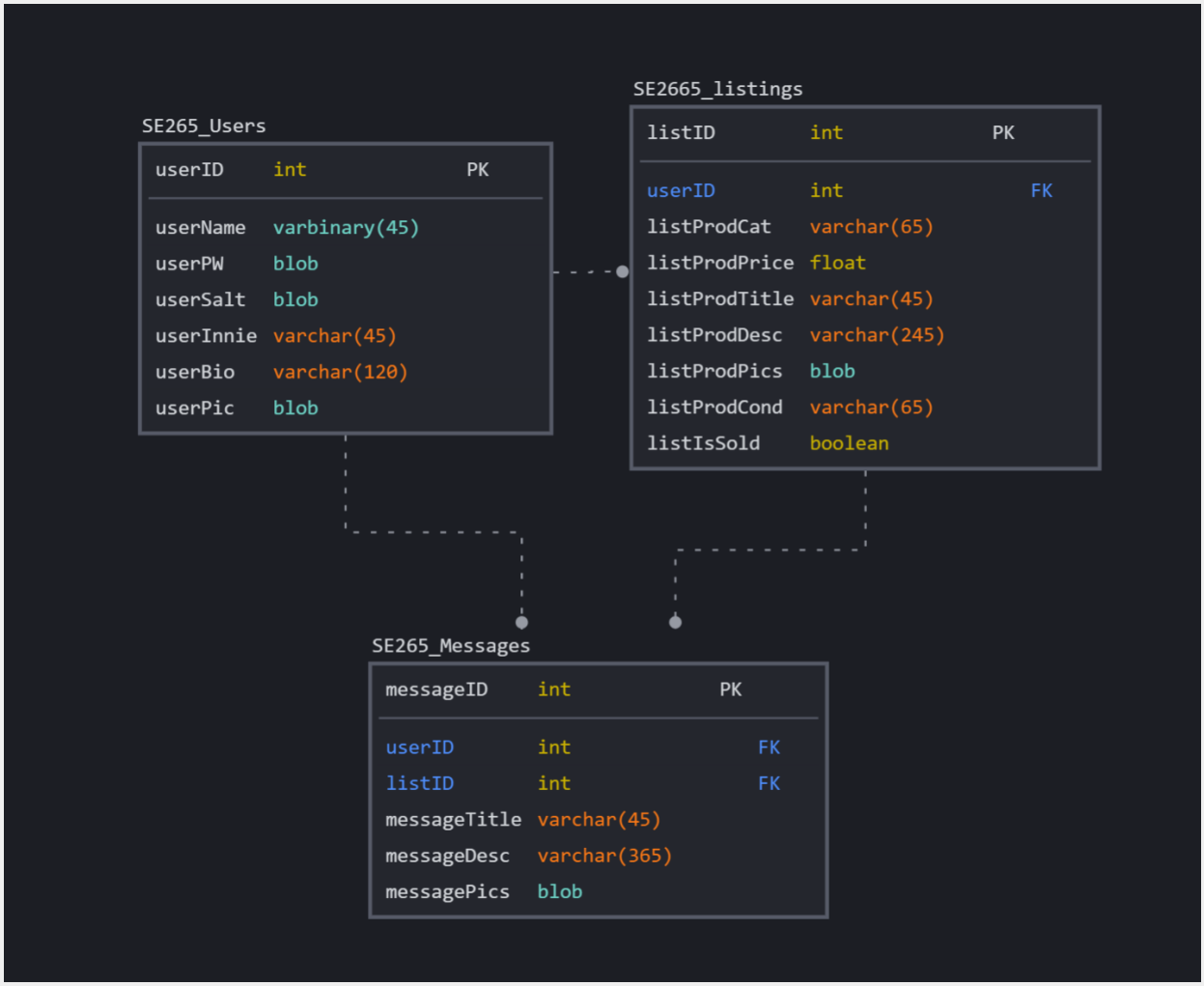
SE 265.15
Website name: PlugIn


SE265_Users
userID int PK
userName varbinary(45)
userPW blob
userSalt blob
userInnie varchar(45)
userBio varchar(120)
userPic blob
SE2665_listings
listID int PK
userID int FK
listProdCat varchar(65)
listProdPrice float
listProdTitle varchar(45)
listProdDesc varchar(245)
listProdPics blob
listProdCond varchar(65)
listIsSold boolean
SE265_Messages
messageID int PK
userID int FK
listID int FK
messageTitle varchar(45)
messageDesc varchar(365)
messagePics blob

SQL LOGIC:

CREATE TABLE `SE265_Users`

```
(
 `userID`    int NOT NULL ,
 `userName`  varbinary(45) NOT NULL ,
 `userPW`    blob NOT NULL ,
 `userSalt`  blob NOT NULL ,
 `userInnie` varchar(45) NOT NULL ,
 `userBio`   varchar(120) NOT NULL ,
 `userPic`   blob NOT NULL ,

PRIMARY KEY (`userID`)
);
```

CREATE TABLE `SE2665_listings`

```
(
 `listID`       int NOT NULL ,
 `userID`       int NOT NULL ,
 `listProdCat`   varchar(65) NOT NULL ,
 `listProdPrice` float NOT NULL ,
 `listProdTitle` varchar(45) NOT NULL ,
 `listProdDesc`  varchar(245) NOT NULL ,
 `listProdPics`  blob NOT NULL ,
 `listProdCond`  varchar(65) NOT NULL ,
 `listIsSold`    boolean NOT NULL ,

PRIMARY KEY (`listID`),
KEY `FK_2` (`userID`),
CONSTRAINT `FK_1` FOREIGN KEY `FK_2` (`userID`) REFERENCES
`SE265_Users` (`userID`)
);
```

```
CREATE TABLE `SE265_Messages`
(
 `messageID`    int NOT NULL ,
 `userID`       int NOT NULL ,
 `listID`       int NOT NULL ,
 `messageTitle` varchar(45) NOT NULL ,
 `messageDesc`  varchar(365) NOT NULL ,
 `messagePics`  blob NOT NULL ,

PRIMARY KEY (`messageID`),
KEY `FK_2` (`listID`),
CONSTRAINT `FK_2` FOREIGN KEY `FK_2` (`listID`) REFERENCES
`SE2665_listings` (`listID`),
KEY `FK_3` (`userID`),
CONSTRAINT `FK_3` FOREIGN KEY `FK_3` (`userID`) REFERENCES
`SE265_Users` (`userID`)
);
```