CREATE TABLE `messageusers` (

`user\_id` int(10) NOT NULL AUTO\_INCREMENT,

`username` varchar(50) NOT NULL,

`password` varchar(128) NOT NULL,

`level` varchar(50) DEFAULT '1',

`salt` varchar(128) DEFAULT NULL,

`firstName` varchar(50) NOT NULL,

`lastName` varchar(50) NOT NULL,

PRIMARY KEY (`user\_id`),

UNIQUE KEY `username` (`username`)

) ENGINE=InnoDB AUTO\_INCREMENT=21 DEFAULT CHARSET=utf8;

CREATE TABLE `messagefriends` (

`friend\_id` int(10) NOT NULL AUTO\_INCREMENT,

`friend1` int(10) NOT NULL,

`friend2` int(10) NOT NULL,

PRIMARY KEY (`friend\_id`),

KEY `friend1` (`friend1`),

KEY `friend2` (`friend2`),

CONSTRAINT `messagefriends\_ibfk\_1` FOREIGN KEY (`friend1`) REFERENCES `messageusers` (`user\_id`),

CONSTRAINT `messagefriends\_ibfk\_2` FOREIGN KEY (`friend2`) REFERENCES `messageusers` (`user\_id`)

) ENGINE=InnoDB AUTO\_INCREMENT=15 DEFAULT CHARSET=utf8;

/\*The bottom two tables are not needed\*/

CREATE TABLE `messageRsaKey` (

`key\_id` int(10) NOT NULL AUTO\_INCREMENT,

`user\_id` int(10) NOT NULL,

`key` varchar(128) NOT NULL,

PRIMARY KEY (`key\_id`),

KEY `user\_id` (`user\_id`),

CONSTRAINT `messagersakey\_ibfk\_1` FOREIGN KEY (`user\_id`) REFERENCES `messageusers` (`user\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE `messageDfKey` (

`key\_id` int(10) NOT NULL AUTO\_INCREMENT,

`user\_id` int(10) NOT NULL,

`key` varchar(128) NOT NULL,

PRIMARY KEY (`key\_id`),

KEY `user\_id` (`user\_id`),

CONSTRAINT `messagedfkey\_ibfk\_1` FOREIGN KEY (`user\_id`) REFERENCES `messageusers` (`user\_id`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;