

## Project Milestone 4 <The Best>

Database Software: MySQL

-- MySQL Workbench Forward Engineering

```
SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS,
FOREIGN_KEY_CHECKS=0;
SET @OLD_SQL_MODE=@@SQL_MODE,
SQL_MODE='TRADITIONAL,ALLOW_INVALID_DATES';
```

```
-----
-- Schema mydb
-----
```

```
-----
-- Schema mydb
-----
```

```
CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET utf8 ;
USE `mydb` ;
```

```
-----
-- Table `mydb`.`User`
-----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`User` (
  `UserID` VARCHAR(45) NOT NULL,
  `UserName` VARCHAR(45) NOT NULL,
  `UserEmail` VARCHAR(45) NOT NULL,
  `UserPicture` VARCHAR(45) NULL,
  `UserBio` VARCHAR(180) NULL,
  PRIMARY KEY (`UserID`),
  UNIQUE INDEX `UserID_UNIQUE` (`UserID` ASC))
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Connection`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Connection` (  
  `ConnectionID` INT NOT NULL,  
  `UserID1` INT NOT NULL,  
  `UserID2` INT NOT NULL,  
  PRIMARY KEY (`ConnectionID`),  
  UNIQUE INDEX `ConnectionID_UNIQUE` (`ConnectionID` ASC),  
  INDEX `fk_Connection_User1_idx` (`UserID1` ASC),  
  CONSTRAINT `fk_Connection_User1`  
    FOREIGN KEY (`UserID1`)  
      REFERENCES `mydb`.`User` (`UserID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
-- -----  
-- Table `mydb`.`Message`  
-- -----
```

```
CREATE TABLE IF NOT EXISTS `mydb`.`Message` (  
  `MesssageID` INT NOT NULL,  
  `MessageText` VARCHAR(180) NOT NULL,  
  `ConnectionID` INT NOT NULL,  
  PRIMARY KEY (`MesssageID`),  
  UNIQUE INDEX `MesssageID_UNIQUE` (`MesssageID` ASC),  
  INDEX `fk_Message_Connection1_idx` (`ConnectionID` ASC),  
  CONSTRAINT `fk_Message_Connection1`  
    FOREIGN KEY (`ConnectionID`)  
      REFERENCES `mydb`.`Connection` (`ConnectionID`)  
    ON DELETE NO ACTION  
    ON UPDATE NO ACTION)  
ENGINE = InnoDB;
```

```
SET SQL_MODE=@OLD_SQL_MODE;  
SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;  
SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;
```

-----  
-- Insert for Message  
-----

```
insert into Message (MessageID, MessageText, ConnectionID) values (1, 'asdf', 1);
insert into Message (MessageID, MessageText, ConnectionID) values (2, 'wertwe', 2);
insert into Message (MessageID, MessageText, ConnectionID) values (3, 'werxcbdfg', 3);
insert into Message (MessageID, MessageText, ConnectionID) values (4, 'dfghjdrty', 4);
insert into Message (MessageID, MessageText, ConnectionID) values (5, 'dghjmdnr', 5);
insert into Message (MessageID, MessageText, ConnectionID) values (6, 'sdfghdtfyj', 6);
insert into Message (MessageID, MessageText, ConnectionID) values (7, 'sdrthdsfgh', 7);
insert into Message (MessageID, MessageText, ConnectionID) values (8, 'dtkdfghdf', 8);
insert into Message (MessageID, MessageText, ConnectionID) values (9, 'erthsdfgth', 9);
insert into Message (MessageID, MessageText, ConnectionID) values (10, 'dfyrtjdyhnd', 10);
```

-----  
-- Insert for Connection  
-----

```
insert into Connection (ConnectionID, UserID1, UserID2) values (1, 3, 5);
insert into Connection (ConnectionID, UserID1, UserID2) values (2, 2, 3);
insert into Connection (ConnectionID, UserID1, UserID2) values (3, 5, 6);
insert into Connection (ConnectionID, UserID1, UserID2) values (4, 7, 1);
insert into Connection (ConnectionID, UserID1, UserID2) values (5, 9, 3);
insert into Connection (ConnectionID, UserID1, UserID2) values (6, 4, 7);
insert into Connection (ConnectionID, UserID1, UserID2) values (7, 3, 8);
insert into Connection (ConnectionID, UserID1, UserID2) values (8, 2, 8);
insert into Connection (ConnectionID, UserID1, UserID2) values (9, 9, 1);
insert into Connection (ConnectionID, UserID1, UserID2) values (10, 7, 2);
```

-----  
-- Insert for User  
-----

```
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (1, 'efrance0',
'sraddenbury0@phoca.cz', 'https://robohash.org/sequiullamsunt.png?size=50x50&set=set1',
'architect real-time methodologies');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (2, 'lbowkley1',
'blydiate1@tamu.edu', 'https://robohash.org/utbeataeomnis.bmp?size=50x50&set=set1', 'seize
world-class bandwidth');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (3, 'mfonso2',
'srhydderch2@de.vu',
'https://robohash.org/inciduntaccusamussaep.jpg?size=50x50&set=set1', 'aggregate
frictionless architectures');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (4, 'gchoupin3',
'cwollaston3@purevolume.com',
'https://robohash.org/sitquiseligendi.png?size=50x50&set=set1', 'matrix 24/7 experiences');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (5, 'scornilleau4',
'linnock4@zdn.net',
'https://robohash.org/occaecatconsequunturdolores.bmp?size=50x50&set=set1', 'matrix
cutting-edge models');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (6, 'fbeavon5',
'dtrustram5@craigslist.org',
'https://robohash.org/placeatquorepellendus.jpg?size=50x50&set=set1', 'productize integrated
initiatives');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (7, 'hmixon6',
'phebburn6@wisc.edu',
'https://robohash.org/quosconsequunturesse.png?size=50x50&set=set1', 'disintermediate
synergistic supply-chains');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (8, 'cdilke7',
'dvarren7@dagondesign.com',
'https://robohash.org/indelenititempore.png?size=50x50&set=set1', 'unleash impactful
schemas');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (9, 'jmaudling8',
'ddelamere8@hostgator.com',
'https://robohash.org/estidpraesentium.png?size=50x50&set=set1', 'disintermediate vertical
solutions');
insert into User (UserID, UserName, UserEmail, UserPicture, UserBio) values (10, 'aweeek9',
'bciccotti9@mtv.com', 'https://robohash.org/perspiciatisquodaut.bmp?size=50x50&set=set1',
'e-enable scalable portals');
```

ER diagram:

