-- 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='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';

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-- Schema mydb

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

USE `mydb` ;

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-- Table `mydb`.`users`

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CREATE TABLE IF NOT EXISTS `mydb`.`users` (

`userid` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(100) NOT NULL,

`email` VARCHAR(255) NOT NULL,

`role` ENUM('Student', 'Instructor', 'Admin') NOT NULL DEFAULT 'Student',

PRIMARY KEY (`userid`),

UNIQUE INDEX `id\_UNIQUE` (`userid` ASC) VISIBLE,

UNIQUE INDEX `email\_UNIQUE` (`email` ASC) VISIBLE)

ENGINE = InnoDB;

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-- Table `mydb`.`assignments`

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CREATE TABLE IF NOT EXISTS `mydb`.`assignments` (

`assignmentID` INT NOT NULL AUTO\_INCREMENT,

`title` VARCHAR(255) NOT NULL,

`description` TEXT(255) NOT NULL,

`duedate` DATETIME NULL DEFAULT current\_timestamp,

PRIMARY KEY (`assignmentID`),

UNIQUE INDEX `assignmentID\_UNIQUE` (`assignmentID` ASC) VISIBLE)

ENGINE = InnoDB;

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-- Table `mydb`.`courses`

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CREATE TABLE IF NOT EXISTS `mydb`.`courses` (

`courseid` INT NOT NULL AUTO\_INCREMENT,

`courseName` VARCHAR(100) NOT NULL,

`instructorID` INT NOT NULL,

`users\_userid` INT NOT NULL,

`assignments\_assignmentID` INT NOT NULL,

PRIMARY KEY (`courseid`, `users\_userid`, `assignments\_assignmentID`),

UNIQUE INDEX `courseid\_UNIQUE` (`courseid` ASC) VISIBLE,

UNIQUE INDEX `instructorID\_UNIQUE` (`instructorID` ASC) VISIBLE,

INDEX `fk\_courses\_users\_idx` (`users\_userid` ASC) VISIBLE,

INDEX `fk\_courses\_assignments1\_idx` (`assignments\_assignmentID` ASC) VISIBLE,

CONSTRAINT `fk\_courses\_users`

FOREIGN KEY (`users\_userid`)

REFERENCES `mydb`.`users` (`userid`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_courses\_assignments1`

FOREIGN KEY (`assignments\_assignmentID`)

REFERENCES `mydb`.`assignments` (`assignmentID`)

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;

