-- 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';

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-- Schema UMLDC

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-- -----------------------------------------------------

-- Schema UMLDC

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

USE `UMLDC` ;

-- -----------------------------------------------------

-- Table `UMLDC`.`DiagramaDeClase`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`DiagramaDeClase` (

`idDiagramaDeClase` INT NOT NULL AUTO\_INCREMENT,

`titulo` VARCHAR(45) NULL,

`emailCreador` VARCHAR(45) NOT NULL,

`contrasenia` VARCHAR(45) NOT NULL,

PRIMARY KEY (`idDiagramaDeClase`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `UMLDC`.`Version`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`Version` (

`idVersion` INT NOT NULL AUTO\_INCREMENT,

`ultimaActualizacion` DATETIME NOT NULL,

`comentario` VARCHAR(200) NULL,

`quien` VARCHAR(45) NOT NULL,

`idDiagramaDeClase` INT NOT NULL,

PRIMARY KEY (`idVersion`),

INDEX `idDiagramaDeClase\_idx` (`idDiagramaDeClase` ASC),

CONSTRAINT `idDiagramaDeClaseVersion`

FOREIGN KEY (`idDiagramaDeClase`)

REFERENCES `UMLDC`.`DiagramaDeClase` (`idDiagramaDeClase`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `UMLDC`.`Clase`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`Clase` (

`idClase` INT NOT NULL AUTO\_INCREMENT,

`nombre` VARCHAR(45) NOT NULL,

`tipo` VARCHAR(45) NOT NULL,

`idVersion` INT NOT NULL,

PRIMARY KEY (`idClase`),

INDEX `idVersion\_idx` (`idVersion` ASC),

CONSTRAINT `idVersionClase`

FOREIGN KEY (`idVersion`)

REFERENCES `UMLDC`.`Version` (`idVersion`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `UMLDC`.`Atributo`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`Atributo` (

`idAtributo` INT NOT NULL AUTO\_INCREMENT,

`privilegio` VARCHAR(45) NOT NULL,

`tipo` VARCHAR(45) NOT NULL,

`nombre` VARCHAR(45) NOT NULL,

`idClase` INT NOT NULL,

PRIMARY KEY (`idAtributo`),

INDEX `idClase\_idx` (`idClase` ASC),

CONSTRAINT `idClaseAtributo`

FOREIGN KEY (`idClase`)

REFERENCES `UMLDC`.`Clase` (`idClase`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `UMLDC`.`Relacion`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`Relacion` (

`idRelacion` INT NOT NULL AUTO\_INCREMENT,

`tipoRelacion` VARCHAR(45) NOT NULL,

`clase` VARCHAR(45) NOT NULL,

`idClase` INT NOT NULL,

PRIMARY KEY (`idRelacion`),

INDEX `idClase\_idx` (`idClase` ASC),

CONSTRAINT `idClaseRelacion`

FOREIGN KEY (`idClase`)

REFERENCES `UMLDC`.`Clase` (`idClase`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `UMLDC`.`Metodo`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`Metodo` (

`idMetodo` INT NOT NULL AUTO\_INCREMENT,

`privilegio` VARCHAR(45) NOT NULL,

`retorno` VARCHAR(45) NOT NULL,

`nombre` VARCHAR(45) NOT NULL,

`idClase` INT NOT NULL,

PRIMARY KEY (`idMetodo`),

INDEX `idClase\_idx` (`idClase` ASC),

CONSTRAINT `idClaseMetodo`

FOREIGN KEY (`idClase`)

REFERENCES `UMLDC`.`Clase` (`idClase`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `UMLDC`.`Argumento`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `UMLDC`.`Argumento` (

`idArgumento` INT NOT NULL AUTO\_INCREMENT,

`tipo` VARCHAR(45) NOT NULL,

`nombre` VARCHAR(45) NOT NULL,

`idMetodo` INT NOT NULL,

PRIMARY KEY (`idArgumento`),

INDEX `idMetodo\_idx` (`idMetodo` ASC),

CONSTRAINT `idMetodoArgumento`

FOREIGN KEY (`idMetodo`)

REFERENCES `UMLDC`.`Metodo` (`idMetodo`)

ON DELETE CASCADE

ON UPDATE CASCADE)

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;