-- MySQL Script generated by MySQL Workbench

-- Mon Jul 1 15:24:53 2024

-- Model: New Model Version: 1.0

-- 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 Research\_repository\_database

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CREATE SCHEMA IF NOT EXISTS `Research\_repository\_database` DEFAULT CHARACTER SET utf8 ;

USE `Research\_repository\_database` ;

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-- Table `Research\_repository\_database`.`role`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`role` (

`idrole` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`rolename` VARCHAR(45) NULL,

PRIMARY KEY (`idrole`),

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

ENGINE = InnoDB;

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-- Table `Research\_repository\_database`.`institution`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`institution` (

`idinstitution` INT UNSIGNED NOT NULL,

`institution\_name` VARCHAR(45) NULL,

`location` VARCHAR(45) NULL,

PRIMARY KEY (`idinstitution`))

ENGINE = InnoDB;

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-- Table `Research\_repository\_database`.`researcher`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`researcher` (

`idresearcher` INT UNSIGNED NOT NULL AUTO\_INCREMENT,

`researcher\_name` VARCHAR(45) NULL,

`telephone` VARCHAR(45) NULL,

`email` VARCHAR(45) NULL,

`category\_idcategory` INT UNSIGNED NOT NULL,

`institution\_idinstitution` INT UNSIGNED NOT NULL,

PRIMARY KEY (`idresearcher`),

INDEX `fk\_researcher\_institution1\_idx` (`institution\_idinstitution` ASC) VISIBLE,

CONSTRAINT `fk\_researcher\_institution1`

FOREIGN KEY (`institution\_idinstitution`)

REFERENCES `Research\_repository\_database`.`institution` (`idinstitution`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Research\_repository\_database`.`category`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`category` (

`idcategory` INT UNSIGNED NOT NULL,

`category\_name` VARCHAR(45) NULL,

`researcher\_idresearcher` INT UNSIGNED NOT NULL,

PRIMARY KEY (`idcategory`),

INDEX `fk\_category\_researcher1\_idx` (`researcher\_idresearcher` ASC) VISIBLE,

CONSTRAINT `fk\_category\_researcher1`

FOREIGN KEY (`researcher\_idresearcher`)

REFERENCES `Research\_repository\_database`.`researcher` (`idresearcher`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Research\_repository\_database`.`project`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`project` (

`idproject` INT UNSIGNED NOT NULL,

`project\_title` VARCHAR(45) NULL,

`case-study` VARCHAR(45) NULL,

`category\_idcategory` INT UNSIGNED NOT NULL,

`category\_idcategory1` INT UNSIGNED NOT NULL,

PRIMARY KEY (`idproject`),

INDEX `fk\_project\_category1\_idx` (`category\_idcategory1` ASC) VISIBLE,

CONSTRAINT `fk\_project\_category1`

FOREIGN KEY (`category\_idcategory1`)

REFERENCES `Research\_repository\_database`.`category` (`idcategory`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Research\_repository\_database`.`user`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`user` (

`iduser` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NULL,

`telephone` VARCHAR(45) NULL,

`email` VARCHAR(45) NULL,

`date\_of\_birth` VARCHAR(45) NULL,

`username` VARCHAR(45) NULL,

`password` INT NULL,

`role\_idrole` INT UNSIGNED NOT NULL,

`project\_idproject` INT UNSIGNED NOT NULL,

PRIMARY KEY (`iduser`, `role\_idrole`, `project\_idproject`),

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

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

INDEX `fk\_user\_role\_idx` (`role\_idrole` ASC) VISIBLE,

INDEX `fk\_user\_project1\_idx` (`project\_idproject` ASC) VISIBLE,

CONSTRAINT `fk\_user\_role`

FOREIGN KEY (`role\_idrole`)

REFERENCES `Research\_repository\_database`.`role` (`idrole`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_user\_project1`

FOREIGN KEY (`project\_idproject`)

REFERENCES `Research\_repository\_database`.`project` (`idproject`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

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

-- Table `Research\_repository\_database`.`supervisor`

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CREATE TABLE IF NOT EXISTS `Research\_repository\_database`.`supervisor` (

`idsupervisor` INT NOT NULL,

`supervisor\_name` VARCHAR(45) NULL,

`telephone` VARCHAR(45) NULL,

`email` VARCHAR(45) NULL,

`institution\_idinstitution` INT UNSIGNED NOT NULL,

PRIMARY KEY (`idsupervisor`, `institution\_idinstitution`),

INDEX `fk\_supervisor\_institution1\_idx` (`institution\_idinstitution` ASC) VISIBLE,

CONSTRAINT `fk\_supervisor\_institution1`

FOREIGN KEY (`institution\_idinstitution`)

REFERENCES `Research\_repository\_database`.`institution` (`idinstitution`)

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;