Учреждение образования  
«БЕЛОРУССКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ ИНФОРМАТИКИ И РАДИОЭЛЕКТРОНИКИ»  
 Кафедра информатики

Отчет по лабораторной работе №1

По теме №5 «Интернет площадка услуг по заказу такси у различных владельцев (не Uber)»

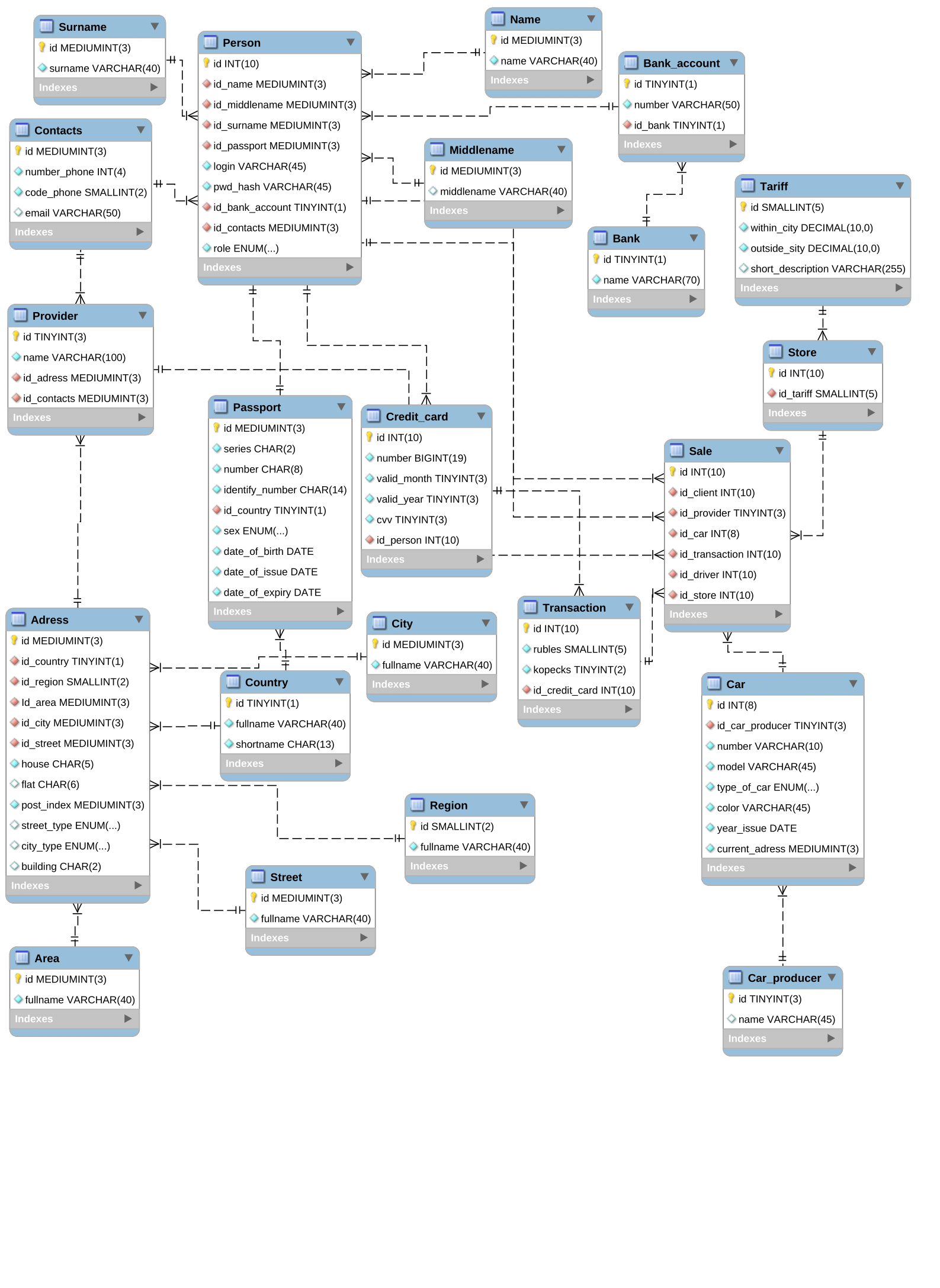
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Руководитель: Алексеев И.Г.

Минск 2020

**Технические задания на систему**

1. Авторизация пользователей в роли (администратор, директор, менеджер, авторизованный пользователь).   
2. Создание, удаление и изменение ролей.  
3. Блокировка пользователя и блокировка на определённый период времени и автоматическое снятие блокировки по истечению времени блокировки.   
4. Поиск пользователей по различным критериям.   
5. Поиск водителей по различным критериям.   
6. Изменение паспортных данных водителя.   
7. Изменение статуса поездки.   
8. Фильтрация автомобилей.   
9. Создание банковског оаккаунта для поставщика услуг.   
10. Поиск чека оплаты по номеру.   
11. Фильтрация чеков оплаты по дате заключения сделки.  
12. Изменение тарифного плана.   
13. Отмена поездки.   
14. Просмотр статистики поездок за определенный период.   
15. Просмотр статистики водителей.

**Модель базы данных**



**SQL-запросы по созданию схемы данных в СУБД**

-- 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';

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

-- Schema sql\_taxi

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

CREATE SCHEMA IF NOT EXISTS `sql\_taxi` DEFAULT CHARACTER SET utf8 COLLATE utf8\_bin ;

USE `sql\_taxi` ;

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

-- Table `sql\_taxi`.`Country`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Country` (

`id` TINYINT(1) UNSIGNED NOT NULL AUTO\_INCREMENT,

`fullname` VARCHAR(40) NOT NULL,

`shortname` CHAR(13) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Region`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Region` (

`id` SMALLINT(2) UNSIGNED NOT NULL,

`fullname` VARCHAR(40) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Area`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Area` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL,

`fullname` VARCHAR(40) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`City`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`City` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL,

`fullname` VARCHAR(40) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Street`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Street` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL,

`fullname` VARCHAR(40) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Adress`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Adress` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`id\_country` TINYINT(1) UNSIGNED NOT NULL,

`id\_region` SMALLINT(2) UNSIGNED NOT NULL,

`Id\_area` MEDIUMINT(3) UNSIGNED NOT NULL,

`id\_city` MEDIUMINT(3) UNSIGNED NOT NULL,

`id\_street` MEDIUMINT(3) UNSIGNED NOT NULL,

`house` CHAR(5) NOT NULL,

`flat` CHAR(6) NULL DEFAULT NULL,

`post\_index` MEDIUMINT(3) NOT NULL,

`street\_type` ENUM('проспект', 'переулок', 'набережная', 'площадь', 'тракт', 'тупик', 'бульвар', 'аллея') NULL DEFAULT NULL,

`city\_type` ENUM('поселок', 'город', 'село') NULL DEFAULT NULL,

`building` CHAR(2) NULL DEFAULT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Adress\_1\_idx` (`id\_country` ASC) VISIBLE,

INDEX `fk\_Adress\_2\_idx` (`id\_region` ASC) VISIBLE,

INDEX `fk\_Adress\_3\_idx` (`Id\_area` ASC) VISIBLE,

INDEX `fk\_Adress\_4\_idx` (`id\_city` ASC) VISIBLE,

INDEX `fk\_Adress\_5\_idx` (`id\_street` ASC) VISIBLE,

CONSTRAINT `fk\_Adress\_1`

FOREIGN KEY (`id\_country`)

REFERENCES `sql\_taxi`.`Country` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Adress\_2`

FOREIGN KEY (`id\_region`)

REFERENCES `sql\_taxi`.`Region` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Adress\_3`

FOREIGN KEY (`Id\_area`)

REFERENCES `sql\_taxi`.`Area` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Adress\_4`

FOREIGN KEY (`id\_city`)

REFERENCES `sql\_taxi`.`City` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Adress\_5`

FOREIGN KEY (`id\_street`)

REFERENCES `sql\_taxi`.`Street` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Bank`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Bank` (

`id` TINYINT(1) UNSIGNED NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(70) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Bank\_account`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Bank\_account` (

`id` TINYINT(1) UNSIGNED NOT NULL AUTO\_INCREMENT,

`number` VARCHAR(50) NOT NULL,

`id\_bank` TINYINT(1) UNSIGNED NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Bank\_account\_1\_idx` (`id\_bank` ASC) VISIBLE,

CONSTRAINT `fk\_Bank\_account\_1`

FOREIGN KEY (`id\_bank`)

REFERENCES `sql\_taxi`.`Bank` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Car\_producer`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Car\_producer` (

`id` TINYINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NULL DEFAULT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Car`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Car` (

`id` INT(8) UNSIGNED NOT NULL AUTO\_INCREMENT,

`id\_car\_producer` TINYINT(3) UNSIGNED NOT NULL,

`number` VARCHAR(10) NOT NULL,

`model` VARCHAR(45) NOT NULL,

`type\_of\_car` ENUM('Седан', 'Хэтчбек', 'Универсал', 'Лифтбэк', 'Купе', 'Кабриолет', 'Родстер', 'Стретч', 'Тарга', 'Внедорожник', 'Кроссовер', ' Пикап', 'Фургон', 'Минивэн') NOT NULL,

`color` VARCHAR(45) NOT NULL,

`year\_issue` DATE NOT NULL,

`current\_adress` MEDIUMINT(3) UNSIGNED NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Car\_1\_idx` (`id\_car\_producer` ASC) VISIBLE,

INDEX `fk\_Car\_2\_idx` (`current\_adress` ASC) VISIBLE,

CONSTRAINT `fk\_Car\_1`

FOREIGN KEY (`id\_car\_producer`)

REFERENCES `sql\_taxi`.`Car\_producer` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Car\_2`

FOREIGN KEY (`current\_adress`)

REFERENCES `sql\_taxi`.`Adress` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Contacts`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Contacts` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`number\_phone` INT(4) UNSIGNED NOT NULL,

`code\_phone` SMALLINT(2) UNSIGNED NOT NULL,

`email` VARCHAR(50) NULL DEFAULT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Name`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Name` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(40) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Middlename`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Middlename` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`middlename` VARCHAR(40) NULL DEFAULT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Surname`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Surname` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`surname` VARCHAR(40) NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Passport`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Passport` (

`id` MEDIUMINT(3) UNSIGNED NOT NULL AUTO\_INCREMENT,

`series` CHAR(2) NOT NULL,

`number` CHAR(8) NOT NULL,

`identify\_number` CHAR(14) NOT NULL,

`id\_country` TINYINT(1) UNSIGNED NOT NULL,

`sex` ENUM('мужской', 'женский') NOT NULL,

`date\_of\_birth` DATE NOT NULL,

`date\_of\_issue` DATE NOT NULL,

`date\_of\_expiry` DATE NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Passport\_1\_idx` (`id\_country` ASC) VISIBLE,

CONSTRAINT `fk\_Passport\_1`

FOREIGN KEY (`id\_country`)

REFERENCES `sql\_taxi`.`Country` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Person`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Person` (

`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,

`id\_name` MEDIUMINT(3) UNSIGNED NOT NULL,

`id\_middlename` MEDIUMINT(3) UNSIGNED NOT NULL,

`id\_surname` MEDIUMINT(3) UNSIGNED NOT NULL,

`id\_passport` MEDIUMINT(3) UNSIGNED NOT NULL COMMENT ' ',

`login` VARCHAR(45) NOT NULL,

`pwd\_hash` VARCHAR(45) NOT NULL,

`id\_bank\_account` TINYINT(1) UNSIGNED NOT NULL,

`id\_contacts` MEDIUMINT(3) UNSIGNED NOT NULL,

`role` ENUM('водитель', 'клиент') NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Person\_1\_idx` (`id\_name` ASC) VISIBLE,

INDEX `fk\_Person\_2\_idx` (`id\_middlename` ASC) VISIBLE,

INDEX `fk\_Person\_3\_idx` (`id\_surname` ASC) VISIBLE,

INDEX `fk\_Person\_4\_idx` (`id\_passport` ASC) VISIBLE,

INDEX `fk\_Person\_5\_idx` (`id\_bank\_account` ASC) VISIBLE,

INDEX `fk\_Person\_6\_idx` (`id\_contacts` ASC) VISIBLE,

CONSTRAINT `fk\_Person\_1`

FOREIGN KEY (`id\_name`)

REFERENCES `sql\_taxi`.`Name` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Person\_2`

FOREIGN KEY (`id\_middlename`)

REFERENCES `sql\_taxi`.`Middlename` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Person\_3`

FOREIGN KEY (`id\_surname`)

REFERENCES `sql\_taxi`.`Surname` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Person\_4`

FOREIGN KEY (`id\_passport`)

REFERENCES `sql\_taxi`.`Passport` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Person\_5`

FOREIGN KEY (`id\_bank\_account`)

REFERENCES `sql\_taxi`.`Bank\_account` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Person\_6`

FOREIGN KEY (`id\_contacts`)

REFERENCES `sql\_taxi`.`Contacts` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Credit\_card`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Credit\_card` (

`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,

`number` BIGINT(19) UNSIGNED NOT NULL,

`valid\_month` TINYINT(3) UNSIGNED NOT NULL,

`valid\_year` TINYINT(3) UNSIGNED NOT NULL,

`cvv` TINYINT(3) UNSIGNED NOT NULL,

`id\_person` INT(10) UNSIGNED NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Credit\_card\_1\_idx` (`id\_person` ASC) VISIBLE,

CONSTRAINT `fk\_Credit\_card\_1`

FOREIGN KEY (`id\_person`)

REFERENCES `sql\_taxi`.`Person` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Provider`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Provider` (

`id` TINYINT(3) UNSIGNED NOT NULL,

`name` VARCHAR(100) NOT NULL,

`id\_adress` MEDIUMINT(3) UNSIGNED NOT NULL,

`id\_contacts` MEDIUMINT(3) UNSIGNED NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Provider\_1\_idx` (`id\_contacts` ASC) VISIBLE,

INDEX `fk\_Provider\_2\_idx` (`id\_adress` ASC) VISIBLE,

CONSTRAINT `fk\_Provider\_1`

FOREIGN KEY (`id\_contacts`)

REFERENCES `sql\_taxi`.`Contacts` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Provider\_2`

FOREIGN KEY (`id\_adress`)

REFERENCES `sql\_taxi`.`Adress` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Transaction`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Transaction` (

`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,

`rubles` SMALLINT(5) UNSIGNED NOT NULL,

`kopecks` TINYINT(2) UNSIGNED NOT NULL,

`id\_credit\_card` INT(10) UNSIGNED NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Transaction\_1\_idx` (`id\_credit\_card` ASC) VISIBLE,

CONSTRAINT `fk\_Transaction\_1`

FOREIGN KEY (`id\_credit\_card`)

REFERENCES `sql\_taxi`.`Credit\_card` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Store`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Store` (

`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,

`id\_tariff` SMALLINT(5) UNSIGNED NOT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Sale`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Sale` (

`id` INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,

`id\_client` INT(10) UNSIGNED NOT NULL,

`id\_provider` TINYINT(3) UNSIGNED NOT NULL,

`id\_car` INT(8) UNSIGNED NOT NULL,

`id\_transaction` INT(10) UNSIGNED NOT NULL,

`id\_driver` INT(10) UNSIGNED NOT NULL,

`id\_store` INT(10) UNSIGNED NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_Sale\_1\_idx` (`id\_client` ASC) VISIBLE,

INDEX `fk\_Sale\_2\_idx` (`id\_provider` ASC) VISIBLE,

INDEX `fk\_Sale\_3\_idx` (`id\_car` ASC) VISIBLE,

INDEX `fk\_Sale\_4\_idx` (`id\_transaction` ASC) VISIBLE,

INDEX `fk\_Sale\_5\_idx` (`id\_driver` ASC) VISIBLE,

INDEX `fk\_Sale\_6\_idx` (`id\_store` ASC) VISIBLE,

CONSTRAINT `fk\_Sale\_1`

FOREIGN KEY (`id\_client`)

REFERENCES `sql\_taxi`.`Person` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Sale\_2`

FOREIGN KEY (`id\_provider`)

REFERENCES `sql\_taxi`.`Provider` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Sale\_3`

FOREIGN KEY (`id\_car`)

REFERENCES `sql\_taxi`.`Car` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Sale\_4`

FOREIGN KEY (`id\_transaction`)

REFERENCES `sql\_taxi`.`Transaction` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Sale\_5`

FOREIGN KEY (`id\_driver`)

REFERENCES `sql\_taxi`.`Person` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_Sale\_6`

FOREIGN KEY (`id\_store`)

REFERENCES `sql\_taxi`.`Store` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

-- Table `sql\_taxi`.`Tariff`

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

CREATE TABLE IF NOT EXISTS `sql\_taxi`.`Tariff` (

`id` SMALLINT(5) UNSIGNED NOT NULL AUTO\_INCREMENT,

`within\_city` DECIMAL(10,0) NOT NULL,

`outside\_sity` DECIMAL(10,0) NOT NULL,

`short\_description` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`id`))

ENGINE = InnoDB

DEFAULT CHARACTER SET = utf8

COLLATE = utf8\_bin;

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

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

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