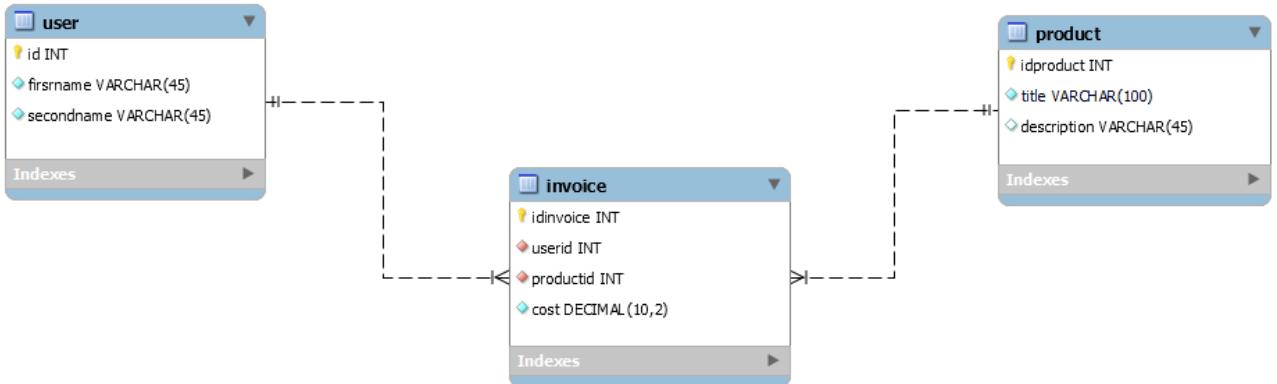


1.



Запрос: <https://gist.github.com/fuquyoma/e7bb92af2120c37e82588ff62c44871a>

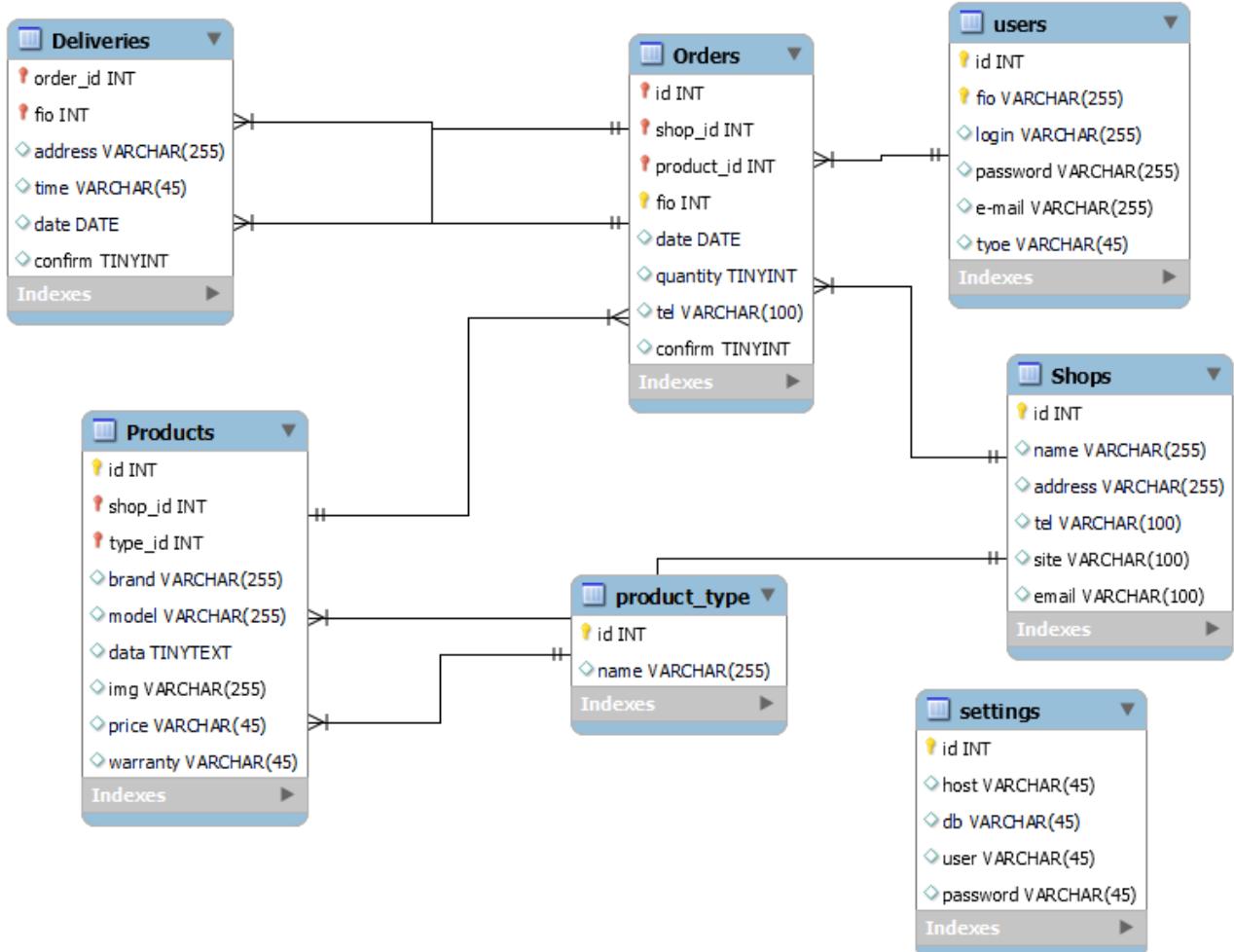
Фрагмент запроса для создания invoice:

```
CREATE TABLE IF NOT EXISTS `firstModel`.`invoice` (
    `idinvoice` INT NOT NULL AUTO_INCREMENT,
    `userid` INT NOT NULL,
    `productid` INT NOT NULL,
    `cost` DECIMAL(10,2) NOT NULL,
    PRIMARY KEY (`idinvoice`),
    INDEX `user_idx` (`userid` ASC) VISIBLE,
    INDEX `prod_idx` (`productid` ASC) VISIBLE,
    CONSTRAINT `user`
        FOREIGN KEY (`userid`)
        REFERENCES `firstModel`.`user` (`id`)
        ON DELETE CASCADE
        ON UPDATE CASCADE,
    CONSTRAINT `prod`
        FOREIGN KEY (`productid`)
        REFERENCES `firstModel`.`product` (`idproduct`)
        ON DELETE CASCADE
```

ON UPDATE CASCADE)

ENGINE = InnoDB;

2.



Запрос: <https://gist.github.com/fuquyoma/8d43da7ccb2a8b9171d5bdec8ee3208e>

Фрагмент запроса с Orders:

```
CREATE TABLE IF NOT EXISTS `mydb`.`Orders` (
    `id` INT NOT NULL AUTO_INCREMENT,
    `shop_id` INT NOT NULL,
    `product_id` INT NOT NULL,
    `fio` INT NOT NULL,
```

```
`date` DATE NULL,  
`quantity` TINYINT NULL,  
`tel` VARCHAR(100) NULL,  
`confirm` TINYINT NULL,  
PRIMARY KEY (`id`, `shop_id`, `product_id`, `fio`),  
UNIQUE INDEX `id_UNIQUE` (`id` ASC) VISIBLE,  
INDEX `shopid_to_prod_idx` (`product_id` ASC) VISIBLE,  
INDEX `shopid_to_shop_idx` (`shop_id` ASC) VISIBLE,  
CONSTRAINT `shopid_to_prod`  
    FOREIGN KEY (`product_id`)  
        REFERENCES `mydb`.`Products` (`id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
CONSTRAINT `shopid_to_shop`  
    FOREIGN KEY (`shop_id`)  
        REFERENCES `mydb`.`Shops` (`id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE,  
CONSTRAINT `fio_to_user`  
    FOREIGN KEY (`id`)  
        REFERENCES `mydb`.`users` (`id`)  
        ON DELETE CASCADE  
        ON UPDATE CASCADE)  
ENGINE = InnoDB;
```

3.

Connection Options

Options

Select Objects

Review SQL Script

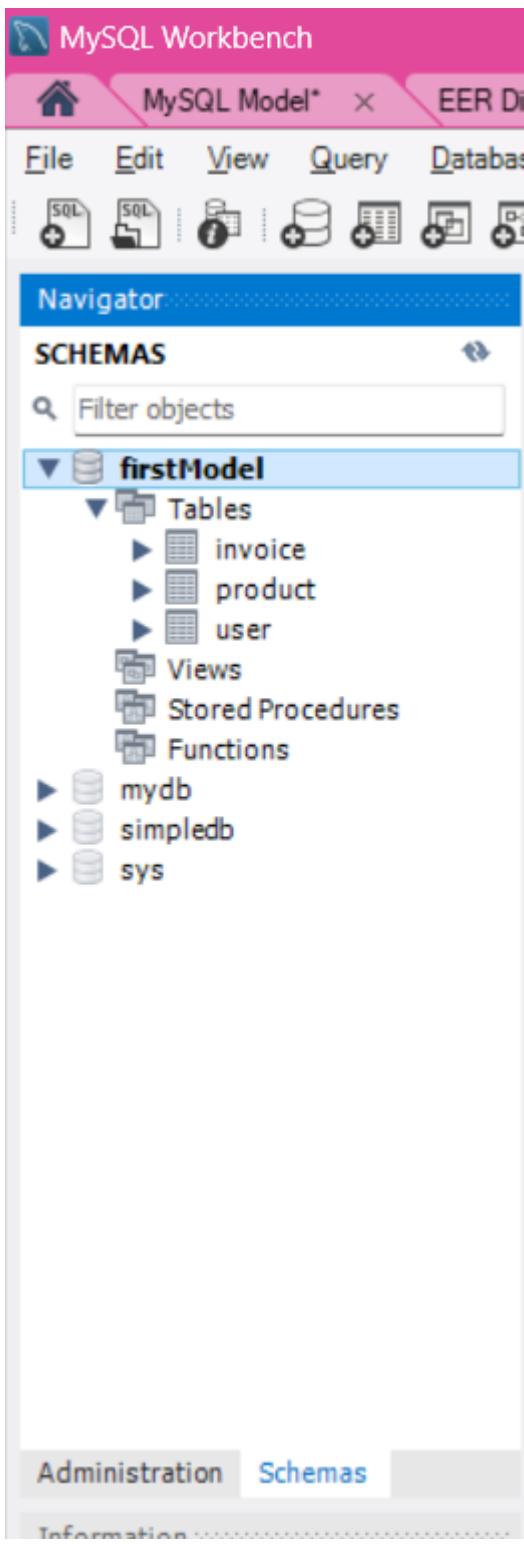
**Commit Progress****Forward Engineering Progress**

The following tasks will now be executed. Please monitor the execution.  
Press Show Logs to see the execution logs.

- Connect to DBMS
- Execute Forward Engineered Script
- Read Back Changes Made by Server
- Save Synchronization State

Forward Engineer Finished Successfully

[Show Logs](#)[Back](#)[Close](#)[Cancel](#)



4. Если удалять при помощи каскадного удаления, то все связанные записи в таблице будут автоматически удалены.

Если удалять без каскадного удаления, то выведет ошибку