

参考资料

- 官方文档：<https://docs.microsoft.com/zh-cn/aspnet/core/tutorials/first-mvc-app/?view=aspnetcore-2.2>
- 我的asp博客：<https://ljd1996.github.io/2019/04/30/asp-net-core%E5%AD%A6%E4%B9%A0%E7%AC%94%E8%AE%B0/#more>
- 我的C#博客：<https://ljd1996.github.io/2019/04/29/C-Sharp%E5%AD%A6%E4%B9%A0%E7%AC%94%E8%AE%B0/#more>

环境配置

- 下载MySQL数据库，新建名为asp的数据库，根据下方的建表语句建表
- 下载asp.net core环境：net core sdk 2.2，下载地址：<https://dotnet.microsoft.com/download/thank-you/dotnet-sdk-2.2.203-windows-x64-installer>，具体在Window上的安装方法见官网：<https://dotnet.microsoft.com/download/dotnet-core/2.2>。
- 通过VS code或者其他IDE打开代码（VS）
- 通过dotnet安装net core MySQL插件，命令：`dotnet add package MySql.Data.EntityFrameworkCore`
- 通过dotnet run运行项目，浏览器访问：<https://localhost:5001>。

数据库

用户表

字段：

- id
- name
- password
- phone
- address
- role

建表语句：

```
CREATE TABLE `User` (  
  `id` int NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  `name` varchar(255) NOT NULL,  
  `password` varchar(255) NOT NULL,  
  `phone` varchar(255) NOT NULL,  
  `address` varchar(255) NOT NULL,  
  `role` varchar(255) NOT NULL  
) DEFAULT CHARACTER SET=utf8;
```

商品表

字段：

- id
- name
- price
- count
- image
- status

建表语句：

```
CREATE TABLE `Product` (  
  `id` int NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  `name` varchar(255) NOT NULL,  
  `price` float NOT NULL,  
  `count` int NOT NULL,  
  `image` varchar(255) NOT NULL,  
  `status` int NOT NULL  
) DEFAULT CHARACTER SET=utf8;
```

订单表

字段：

- id
- status
- count
- buy_id
- pro_id

建表语句：

```
CREATE TABLE `Orderlist` (  
  `id` int NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  `status` int NOT NULL,  
  `count` int NOT NULL,  
  `buy_id` int NOT NULL,  
  `pro_id` int NOT NULL,  
  CONSTRAINT `order_buy_fk_id` FOREIGN KEY (`buy_id`) REFERENCES `user`  
  (`id`) ON DELETE CASCADE ON UPDATE CASCADE,  
  CONSTRAINT `order_pro_fk_id` FOREIGN KEY (`pro_id`) REFERENCES `product`  
  (`id`) ON DELETE SET NULL ON UPDATE CASCADE  
) DEFAULT CHARACTER SET=utf8;
```

购物车表

字段：

- id
- count
- buy_id
- pro_id

建表语句：

```
CREATE TABLE `Cart` (  
  `id` int NOT NULL AUTO_INCREMENT PRIMARY KEY,  
  `count` int NOT NULL,  
  `buy_id` int NOT NULL,  
  `pro_id` int NOT NULL,  
  CONSTRAINT `cart_buy_fk_id` FOREIGN KEY (`buy_id`) REFERENCES `user` (`id`)  
  ON DELETE CASCADE ON UPDATE CASCADE,  
  CONSTRAINT `cart_pro_fk_id` FOREIGN KEY (`pro_id`) REFERENCES `product`  
  (`id`) ON DELETE CASCADE ON UPDATE CASCADE  
) DEFAULT CHARACTER SET=utf8;
```