*Online Grocery Store*

Online Grocery Shop is a system that registers users, categories, products, manages orders.It is an end-to-end app from ordering to delivering grocery.

**Project Functionality**

[**Users**](https://github.com/mgpavlov/OnlineGroceryStore-Application/blob/master/src/main/java/org/softuni/onlinegrocery/domain/entities/User.java)

***Roles:=>***

\*Admin \*Customer \*Moderator=Employee/DeliveryPerson

The first registered User should be assigned a role – “Admin". Every User after that, should have a role – "User". "Admin" can change other users Roles.The “Moderators” may include “Employees” or “Delivery Persons”. Users can add products to their "Cart" and after that can checkout products and create order with status "Pending". User's Orders are controlled for them, by Administrators (role = "Admin" or "Moderator"). Users can view Details about their own Orders. When an Order is delivered, that Order can be viewed in OrderDetails. User (role = "Admin", "Moderator") are essentially like normal Users. They can also have Orders, which are delivered, acquired and they also have Receipts. Moderators can manage orders for a specific User by assigning specific delivery person to them.

* They can view all Pending Orders, and they can Ship them.
* They can view all Shipped Orders, and they can Deliver them.
* They can view all Delivered Orders, and they can view Details about them.

**The application provide Guest (not logged in) users with the functionality to:**

* Login
* Register/SignUp
* View the Guest Index page with Grocery products

**The application provide Users (logged in with Role-Customer) with the functionality to:**

* Logout
* Edit Profile/Change Password
* View Products
* Buy Products
* Create Orders
* View their Orders(list)
* View details about a Order
* View their Cart
* Payment Details
* Check Delivery Status

**The application provide Admin(logged in, with role - Admin) with the functionality to:**

* Buy Products
* Add/Edit Categories
* Add/Remove Moderators
* View Stock
* Edit Profile
* Change Password
* Change all Users Role except Root Admin profile.
* View Reports
* LogOut

**The application provide Moderators (logged in, with role -Employee) with the functionality to:**

* Add Delivery Person
* Add/Edit Product
* Add/Edit Category
* Edit Profile/Password
* Check Product Availability
* Assign Delivery Status
* Check Payment Details
* Logout

**The application provide Moderators (logged in, with role – Delivery Person) with the functionality to:**

* Change Delivery Status(Button)
* Delivery Details
* Logout

**Product**

Products are created with a Name, a Description, a Price, a Image Url,Status and Categories to which it belongs.

**Order**

When Orders are created, they are created with a list of Products, a Total Price,Quantity, a Shipping Address and a Recipient User.

* Upon creation, the Status of a Order should be set to Pending.
* Upon creation, the Issued On Date of a Order should be set to current date.

**Pending Orders**

A Pending Order, can be Shipped by an Employee, by clicking on the [Ship] button and assigning Delivery Person from the Pending Orders Page. At that moment the Order Status becomes "Shipped" and the Status Date (Shipped On) is to be set to a current date.

* All Pending Orders are presented on the Pending Orders Page to the Employee.
* A User can view his Order Status.
* A User can view details about each one of his Pending Orders from his My Orders Page, by clicking on the [View Orders] button.

**Shipped Orders**

A Shipped Package, can be Delivered by an Delivery Person and status can be changed to delivered by clicking on the [Change Status] button from the Shipped Packages Page. At that moment the Package Status becomes "Delivered" and the Status Date (Delivered On) is to be set to a current date.

* All Shipped Packages are presented on the Shipped Packages Page.
* A User can view his Shipped Order on his Index Page in the view Order status section.
* A User can view details about each one of his Shipped Order from his Index Page, by clicking on the [View OrderDetails] button.

**Delivered Orders**

A Delivered Order, can be Acquired by the Order’s Recipient by the delivery person and status is changed to delivered after receiving the order package and after the payment status is changed. At that moment the Order Status becomes "Delivered". All Delivered Orders are presented on the Delivered Orders Page. A User can view his Delivered Orders on his My Orders Page in the ViewOrders Page.

**The Database of the Application support 8 entities:**

[User](https://github.com/mgpavlov/OnlineGroceryStore-Application/blob/master/src/main/java/org/softuni/onlinegrocery/domain/entities/User.java)(Admin,Customer,Employee,DeliveryPerson)

[Category](https://github.com/mgpavlov/OnlineGroceryStore-Application/blob/master/src/main/java/org/softuni/onlinegrocery/domain/entities/Category.java)

[Product](https://github.com/mgpavlov/OnlineGroceryStore-Application/blob/master/src/main/java/org/softuni/onlinegrocery/domain/entities/Product.java)

[OrderProduct](https://github.com/mgpavlov/OnlineGroceryStore-Application/blob/master/src/main/java/org/softuni/onlinegrocery/domain/entities/OrderProduct.java)

Order

Cart

Stock

Address