**Super Market Rest API**

**This API provides functionality for managing customers, administrators (admins), items, bills, and orders in an online marketplace. It allows customers to register, view items, and make purchases. Admins can perform CRUD operations on various entities and place orders based on item stock. Developed using Java Spring boot and Database used PostgreSQL.**

**Basic Flow:**

**Actors:** Admin and Customer

**Entities:** AdminMarket , Customer, Item, Bill , Orders

**Admin** -> manages items (view, create, update, delete) -> manages bills (view, create, update, delete) -> manages orders (view, create, update, delete) -> manages customers (view, update, delete) -> views admin details -> creates admin.

**Customer**->Customer -> registers -> sees items -> adds a purchase -> updates information -> views details

**Endpoints:**   
POST /registerCustomer: Register a new customer.

GET /items: Retrieve a list of all available items in the inventory.

GET /items/{itemId}: Retrieve details of a specific item by its ID.

POST /addPurchase: Add items to a customer's purchase.

PUT /customers/{customerId}: Update customer information.

GET /customers/{customerId}: Retrieve details of a specific customer by their ID.

GET /admin/viewItems: Retrieve a list of all available items in the inventory.

GET /admin/viewItemById/{itemId}: Retrieve details of a specific item by its ID.

POST /admin/addItem: Create a new item in the inventory.

PUT /admin/updateItem/{itemId}: Update item information.

DELETE /admin/deleteItem/{itemId}: Delete an item from the inventory.

GET /admin/viewBills: Retrieve a list of all bills.

GET /admin/getBillById/{billId}: Retrieve details of a specific bill by its ID.

POST /admin/addBill: Create a new bill.

PUT /admin/updateBill/{billId}: Update bill information.

DELETE /admin/deleteBill/{billId}: Delete a bill.

GET /admin/viewOrders: Retrieve a list of all orders.

GET /admin/viewOrderById/{orderId}: Retrieve details of a specific order by its ID.

POST /admin/placeOrder: Place a new order.

PUT /admin/updateOrder/{orderId}: Update order information.

DELETE /admin/deleteOrder/{orderId}: Delete an order.

GET /admin/viewCustomers: Retrieve a list of all customers.

GET /admin/viewCustomerById/{customerId}: Retrieve details of a specific customer by their ID.

GET /admin/viewCustomerByName/byName/{customerName}: Retrieve details of a specific customer by their name.

PUT /admin/updateCustomer/{customerId}: Update customer information.

DELETE /admin/deleteCustomer/{customerId}: Delete a customer.

GET /admins: Retrieve a list of all administrators (admins).

GET /admins/{adminId}: Retrieve details of a specific admin by their ID.

POST /addAdmin: Create a new admin.

PUT /admins/{adminId}: Update admin information.

**Security Used:** Oauth2 GitHub Login