Web Application Framework (WAF)
Fall 2024
Lab Task 5
Submission Deadline: **16/12/24 before 17:50**
Submission Folder: **WAF-F24-T5**

Write organized code using MVC design pattern. Organize code for the part of controller application logic and model part for business logic. First, generate a file of 1000 instances from mockaroo.com. Name the file as productsInformation. This file should have the following fields: Product Name, Firm Name, Price, Quantity, and Expiry Date.

Connect to a remote database called "GroceryItems." Insert information in productsInformation into the database collection "products." Create RestAPIs and do the following CRUD operations:

- Fetch all products from the products collection. Fetch certain products with prices ranging from Rs. 500 to 1000. For example, fetch spaghetti having a price range from 100 to 150.
- Fetch all expired products.
- Fetch products having a quantity of less than 50.
- Fetch products of certain firms.
- Fetch expired products.
- Delete expired products.
- Update the price of products for certain firms. For example, update the price of bake parlour pasta.

The following link is useful for using methods to perform CRUD operations:
[Mongoose v8.8.4: Model](#)