

Backend: Python

The *db* folder contains the database *behamics* with the collection *checkout*. The *checkout* collection contains information about the products purchased by users. Please install mongo and restore the database from the file in order to use it through python's *pymongo* module. Use pandas to calculate the statistics. Use Flask to build the endpoints. Use classes for the developent.

Tasks:

1. Read the data from the *checkout* collection.
2. Extract 20% of the most sold products (productID) per category.
3. Save the data for each of the above extracted product in the collection *bestseller* with fields: productID, category, totalSold.
4. Build endpoint */checkifbestseller* which for the productID provided returns the product details such as category and totalSold if the product is a bestseller, if not returns nan for each of the fields.