

Collections Assignment

1) We are looking for a Java-based application that will help us efficiently manage product records using the Collections framework. The system should allow us to:

- Store and manage product data in a structured format.
- Perform key operations such as adding, retrieving, updating, and deleting product records.
- Sort products dynamically based on criteria like product id, product name.
- Prevent duplicate entries to maintain data integrity.

Product entity should contain the following:

Product ID

Product Name

Category

Price

2) Create a product catalogue key as a product and value as quantity:

- Store and manage product data in a structured format.
- Perform key operations such as adding, retrieving, updating, and deleting product records.
- Sort products dynamically based on criteria like product id, product name.
- Prevent duplicate entries to maintain data integrity.

Product entity should contain the following:

Product ID

Product Name

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