COLLEGE CODE : 9530

COLLEGE NAME : ST.Mother Theresa Engineering College

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DATE : 22/09/2025

Completed theproject named phase3

PROJECT NAME : PRODUCT CATALOG WI THFI LTERS

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1.Project Setup

Initialize the project (React/Angular/Vue, or backend framework if needed).

Install dependencies(UI components, state management, API libraries).

Set up GitHub repository and branch strategy.

2.Core FeaturesImplementation

Product CatalogPage

Display a grid/list of productswith image, title, price, and description.

Filters

Category filter (e.g., Electronics, Clothing, Furniture).

Price range filter (slider or min/max input).

Brand filter.

Ratingfilter (optional for MVP).

Sorting(Optional MVPenhancement) Sort by

price (low   high, high   low).

Sort by popularity or newest first.

3.Data Storage (Local State /Database)

Local State (for MVP): Hardcoded product JSONstored locally.

Database (Next Step): Use MongoDB, Firebase, or SQL tofetch productsdynamically.

4.TestingCore Features

Test filter combinations(e.g., Electronics+under $500).
Ensure filterscan be reset.

Check product listingupdatesdynamically without refresh.

5.Version Control (GitHub)

Push incremental commits(setup, catalogUI, filter logic).
Use feature branchesfor each filter.

Merge via pull requestsfor better tracking.