# Product management dashboard functionality details

## ProudctManagementDashboard.Api

Repository location - <https://github.com/ruwanpe/ProudctManagementDashboard.Api>

The Web API has 4 endpoints and xUnit test project developed in .NET 9.0. Please run the solution ProudctManagementDashboard.Api.sln in Visual studio. Basic in-memory caching, exception handling and logging (to a log file in API project file location logs folder) is implemented. Database updates are performed using Entity Framework Core.

SQLite db is uploaded to the API project file location. Mock data already inserted into SQLite db. SQL script (Data.sql) used to insert mock data is available in the API project file location. Endpoint data validation script (DataValidation.sql) also included in the same project file location.

1. Product post end point - **https://localhost:7249/api/Product**

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1. Get all products – **https://localhost:7249/api/Product/All**

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1. Get all products by category – **https://localhost:7249/api/Product/AllByCategory**

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1. Get all products by date added - [**https://localhost:7249/api/Product/AllByDurationAdded**](https://localhost:7249/api/Product/AllByDurationAdded)

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## product-management-dashboard-ui

The UI is developed using React 19.1.1. Please open the folder product-management-dashboard-ui in Visual Studio Code and run the commands <npm i vite@latest> and <npm run dev> in the Terminal window. Please open the url display in terminal window in Chrome browser (Edge browser gives error in console).

Repository location - <https://github.com/ruwanpe/product-management-dashboard-ui>

1. All Products with their details.

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2. Graph - Total stock quantity per category.

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3. Graph - Total number of products added in different time periods

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**Known issues**

1. The UI does not load in Edge browser. Error - :ERR\_CERT\_AUTHORITY\_INVALID

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1. The React UI calls the REST Web API twice for a single click on each UI navigation links. This could be due to development Strict Mode mounting, unmounting and remounting.