

Programming Applications with Databases

Exercise Set 10

All the exercises below apply to a products' list view and product's details view.

1. Create a simple user interface presenting a list of products and product details view. It can be implemented in any way like web, desktop or mobile application, including simple console application.
[3p]
2. Extend NHibernate repositories (or respective ones) with filtering, sorting and paging functionalities where filtering needs to allow to apply basic search functionality in the user interface.
[2p]
3. Extend application services in a way which allows to leverage filtering, sorting and paging functionalities introduced for repositories in the previous exercise.
[2p]
4. Introduce a DTO model in the DDD application layer and ensure it is consumed in the UI.
[1p]
5. Introduce explicit presentation model in the UI application and reshape the view to enable basic filtering, paging and sorting based on the results from the previous exercises.
[2p]

Paweł Rajba