

Programming Applications with Databases

Exercise Set 11

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

1. Extend NHibernate repositories (or respective ones) with filtering, sorting, and paging functionalities, where filtering needs to allow the application of basic search functionality in the user interface.
[2p]
2. Extend application services in a way that allows leveraging filtering, sorting, and paging functionalities introduced for repositories in the previous exercise.
[2p]
3. Introduce a DTO model in the DDD application layer and ensure it is consumed in the UI.
[2p]
4. Introduce an 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]
5. Introduce a specification pattern for filtering into your solution and create 2 specifications.
[2p]

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