DataGrid UML Class Diagram

Abstract Class

DataTable

- headers: string[]
- dataTable: string[][]

+ ImportFile(serive): void

FilteredDataTable

- headers: DataColumn
- dataTable: DataTable
- filteredDataTable: DataTable
- filterString: string

+ ImportFile(in serice: csvReadService): void
+ ApplyFilters(in dataGrid, in filterString): BindingSource

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0..*

1..*

CSVReadingService

+ FilePath: string
+ dataTable: DataTable

+ ReadFile(): void

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FilterService

+ column: DataColumn
+ operator: string
+ filterValue: string
+ logicalOperator?: int

+ Filter(in DataTable): DataTable

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<<Interface>>
IFileReadingService

+ FilePath: string
+ dataTable: DataTable

+ ReadFile(): void

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<<Interface>>
IFilterService

+ column: DataColumn
+ operator: string
+ filterValue: string
+ logicalOperator?: int

+ Filter(in DataTable): DataTable