kitems

A framework to manage data frame *items* and
a set of tools to implement it within R Shiny web applications.

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Motivations

Motivations (1/4)

When working on a R Shiny project that performs operations based on tabular data, whether it is for data analysis or data visualization, the first milestone in the project is to enable standard data processing.

Motivations (2/4)

It requires to write code to implement the baseline:
- a data frame to manage the objects
- a data table view to display them to the users
- inputs to allow data filtering
- buttons to perform standard operations like create a new object, update or delete existing ones
- forms to allow user to create or update them
- functions to manage those operations in the back end
- functions to ensure data persistence, quality and management in general

Motivations (3/4)

In many cases, it involves to write code that allows to handle the same set of operations but for different objects, which makes this code hard to reuse.

Motivations (4/4)

The purpose of *kitems* is to wrap those standard operations into a package that is not dependent on the type of item – *something that is part of a list or group of things* –

So developers can focus on the specific capabilities of their project.