FileOrganizer – Planning

# Key Features:

1. Create Folders with naming pattern
   1. Build the custom name by adding “blocks”
   2. One “block” can be:
      1. A custom string
      2. A number with up to 3 leading zeroes
2. Delete Folders by naming pattern
   1. Examples:
      1. Delete everything that ends with a “\_test”
      2. Delete every jpg
      3. No delete by time
3. Easy to use GUI
   1. Question marks with help pop ups/hints?
   2. Regions with panels (root path selection are, building the naming pattern are)
      1. CSS: gradients in BG? Color?
   3. Animations that slide the view to the clicked area
   4. Show the current name building blocks as drawn boxes or in a locked text field
   5. Show an example of how the finished name for the files will look like

# Bonus Features:

1. Create folder structure by text file (own syntax = .fml)
2. Create context menu entry in windows explorer so that a user can start the program with the current folder as the root path
3. Create a “Show folder in Explorer” button so that a user can see the created files without navigating to the folder him-/herself

# Requirements:

* Class diagram (yED desktop)
* 1 x Inheritance
* 1 x Association (UML)
* min. 4 classes
* 3 x Loops
* Comments 🡪 JavaDoc (do comments last, JavaDoc while writing as it is collapsible)

# Tasks / Roadmap:

1. Learn about Java Doc
2. Build working GUI in FXML and wire it up with a controller
   1. Implement Material Design (or one style) with CSS? In regards to color and slight shadows behind objects
   2. Animation possible for switching between the modes? (see drawn GUI-Diagram for more details)
   3. Use a nice font (google fonts?)
   4. Use nice icons (google material icons?)
   5. Use color
   6. Question marks with help pop ups/hints?
   7. Regions with panels (root path selection area, building the naming pattern area)
      1. CSS: gradients in BG? Color?
   8. Show the current name building blocks as drawn boxes or in a locked text field
   9. Show an example of how the finished name for the files will look like
   10. Vertical Labels for the area (or labels at the top center and vertical labels for “go back to main menu”)
3. Implement simple Folder-Creation-Service
   1. Locked FolderName  
      Build custom name together with NamingService
4. Implement Naming Feature Service for Folders
   1. It is only about building a name,
   2. Check, that the name is valid for folders (e.g. no ! “ ? & % $ etc.)
5. Polish/Expand the Folder-Creation-Service
6. Implement simple Folder-Deletion-Service
7. Polish/Expand the Folder-Deletion-Service
8. Plan the FML (Folder Modeling Language)
   1. Folder Structure in Text Form:
   2. # or // as comment
   3. -FOLDER\_NAME
   4. --SUBFOLDER\_NAME
   5. ---SUBFOLDER\_NAME
9. Implement the Create-Folder-by-File-Service
   1. Check for correct Foldername
   2. Preview the Folder-Structure in a tree view/or something else
10. Final Polishes
11. Bonus Features
12. DEV LOCK:
    1. Draw class diagram
    2. Add comments to f\*cking everything
    3. Enhance JavaDoc
    4. Check the program for given requirements (loops, classes, etc)