

CSI 2300 Project Proposal

Project Name: NeatFile

Team Name: Frank's Team

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The program will be designed to help automate the process for organizing files on your desktop and other folders by actively sorting files based on user pre-defined rules such as text content or file extensions. It then moves them to appropriate folders. It will utilize an intuitive UI to help visualize how files are grouped together. Multiple profiles can be created to organize files.

Main Classes/Interfaces (UML Below):

Profile Class:

-Manages groups

Methods:

- Gets current groups
- Sets groups

File Class:

-Where groups are linked to (stored)

Methods

- Get folder names
- Create folders

Group Interface:

-Rule set group for file organization

Methods

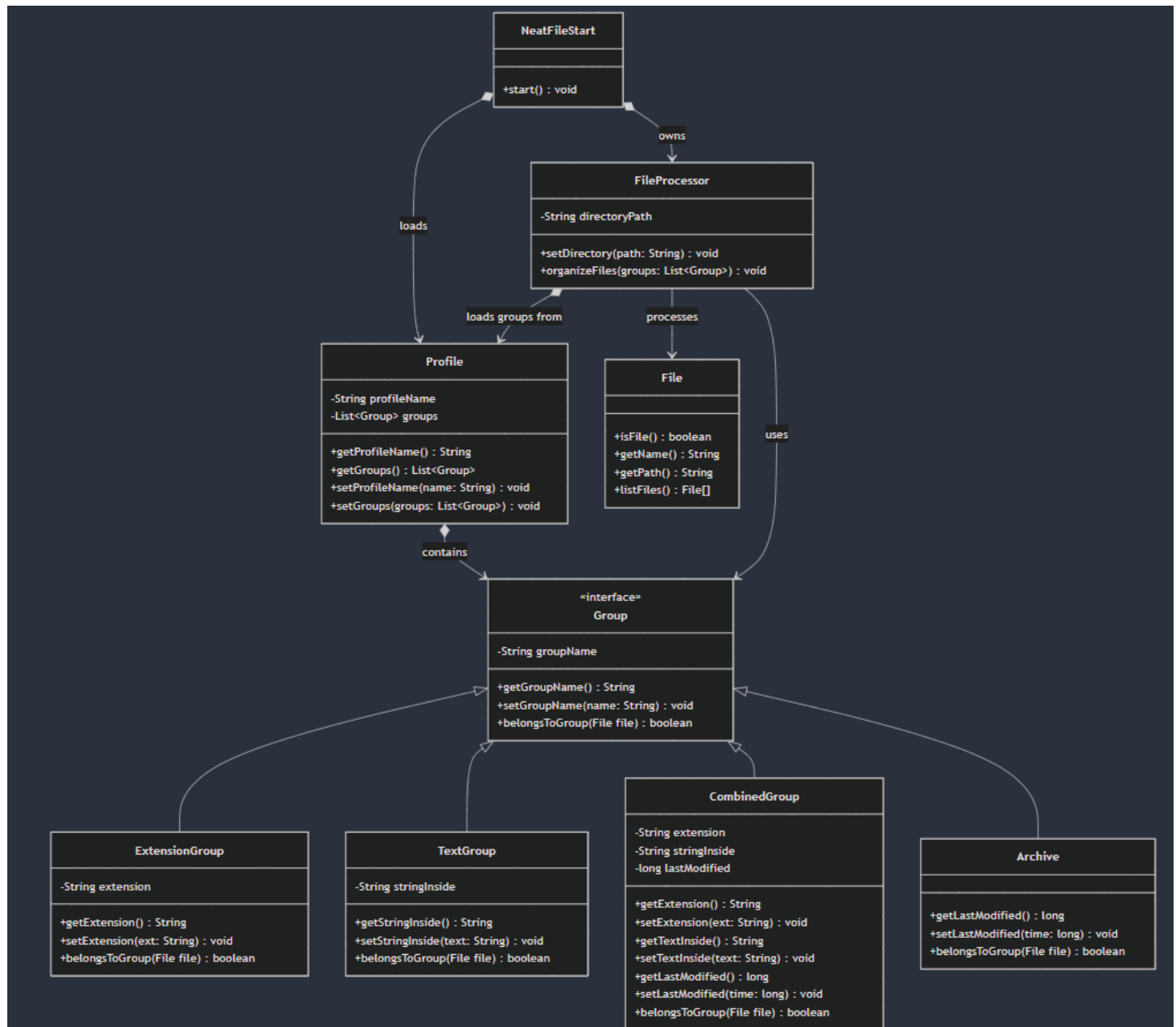
- getting/setting the group names
- Implemented by **ExtensionGroup**(sorts by extension) and **TextGroup**(sorts by contained text), and **Archive**(sorts by last accessed) as well other possible rule combinations

File Class:

-Part of java.io package

-Contains methods used for retrieving data from files (text, last accessed, file extension, etc..)

UML Diagram (Draft)



Project Timeline

Weeks 1-2 (3/24 – 4/1)

Core functionality and classes implementation, start UI design

Weeks 2-3 (4/2 – 4/11)

Full UI implementation

Week 3-4 (4/12 – 4/16)

Implement further methods for refined file sorting if there is extra time

Work on Manual/PPT presentation