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# Project Manager Tool

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# Overview

- Started out as a project manager to try and help developers manage and create their projects easier.
  - Turned into a toolbox of various functionality that we hope has a mix of useful applications, like creating projects, as well as fun stats for developers to see.
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# Project Switching

- Overview:
    - In VS code a tree view containing all of the users projects are shown. If the user clicks on a project it will be opened for them in VS code.
    - This provides a centralized place for all of the users projects. Which will help with organization and provides quick access to each project.
  - Issues:
    - Project info is read in from a .json file. Currently the only way to edit this file (add a project) is manually.
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# File Information Feature

- Overview:
    - This feature is meant to provide metadata information on all of the files and subdirectory that are present in the root level folder of your VScode workspace.
    - Provides all the information that the stat system call would provide, as well as the absolute path of the file.
  - Issues:
    - TreeView API limitations
    - Linux's Enhanced Read-Only File System
    - Not compatible across OS.
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# GitHub Repositories Feature

- Overview:
    - This feature is meant to provide a list of all of the GitHub repositories after they provide their personal access token (PAT).
    - It also contains a link to the GitHub page in VScode.
  - Issues:
    - Octokit
    - Link not clickable
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# TimeTracker: Project Time Monitoring

- Real-time tracking of time spent on each file within the project.
  - Problem it solves:
    - Efficient time tracking
    - Monitoring of project activities within VS Code.
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