filez++ (Remote File Browser)

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Introduction

- As remote working is going on companies have to use servers remotely.
- A Utility Tool for Browsing files from a Remote server using protocols like Secure Shell Host (SSH).
- The Software is an installable, Desktop Application developed using Electron.JS (Packaging Tool) by using Web Technologies including Node.JS, Express.JS, Angular, EJS.

Existing System

- Cannot save connections
- Cannot connect to multiple ssh servers at once
- User Experience Issue, hard to use for naive users
- Server-side installation required
- Not Portable (User have to install the software in their PC)

Proposed System

- Add/Edit/Test/Delete Connections
- Connect to multiple SSH servers at once.
- GUI is easy to use, and highly customizable
- Most features of Native File Browsers like Windows File Explorer.
- Logs and User activity available.
- Server-side installation is not required
- Portable (Can run without installation on Users PC)
- Can run on Windows, Ubuntu, Fedora, Debian, MAC, etc.
- Logs and User activity available.
- Does not take much resources like RAM and CPU.

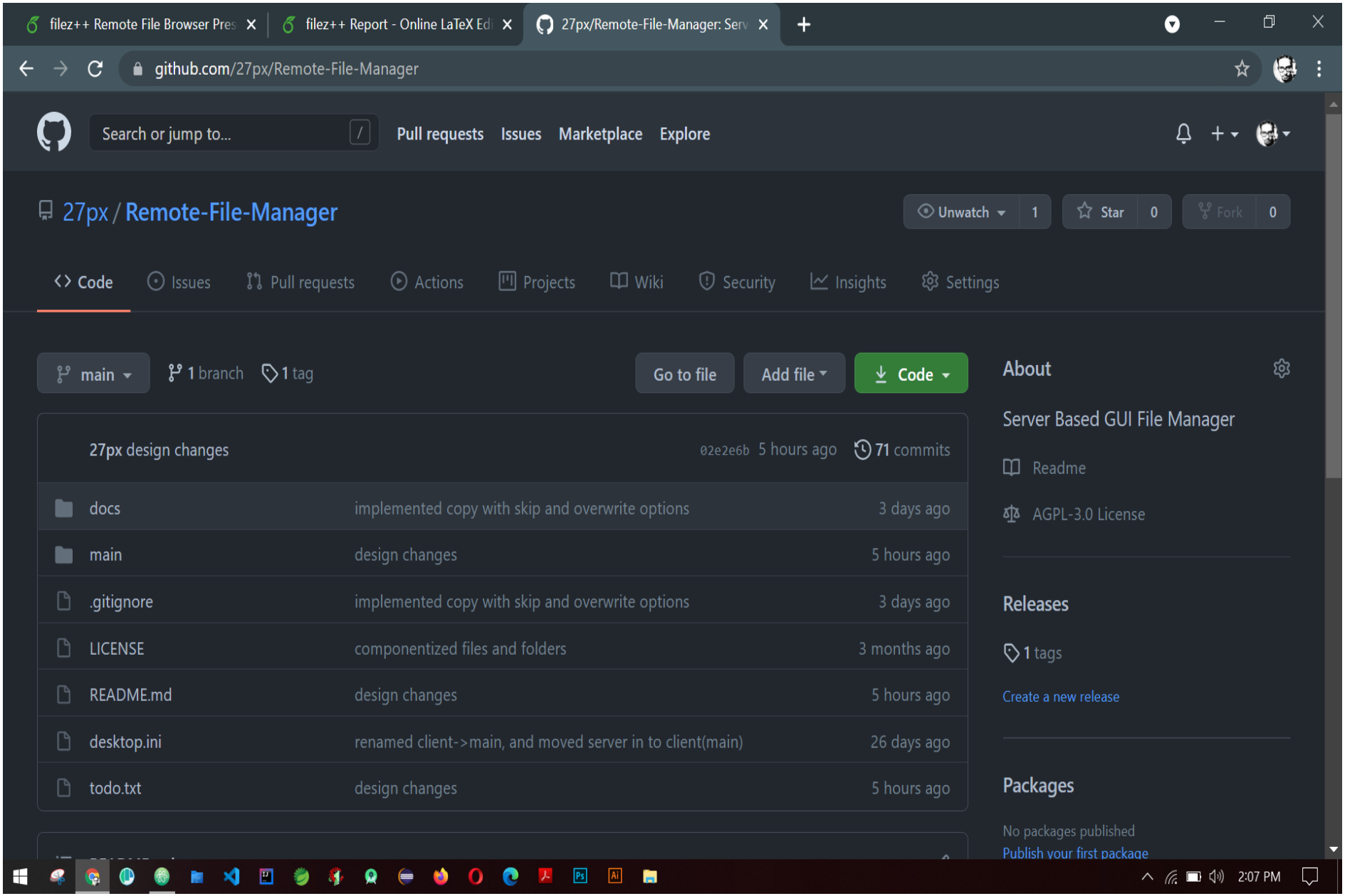
Product Backlog

- File/Folder Properties
- Shortcut Keys
- File/Folder Permissions
- Sorting
- Configurable settings like handshake wait time etc

Hardware Requirements

- Storage : 350 to 400 MB (or greater) free space
- RAM : 512 MB (or greater)
- Mouse : Required

Version Control (Git)



Conclusion

- Developing a Naive User Friendly inspired by FileZilla, without some of its limitations and adding some more Features.
- The Software is a Desktop application that can run on any platform and architecture.
- packaged app can be distributed and can be run without any additional dependencies or programming languages installed and is portable.
- Future modifications and scope could be including Online Storages like Google Drive, Dropbox etc.

Thank You