VERSION UPDATER CLI TOOL

INTRODUCTION:

VersionUpdater.exe tool is specially designed to update the File version number and Product version number in the Github repository. By using this exe file we can easily change any .rc file contents (File version number and Product version number) within a short time

REQUIREMENTS:

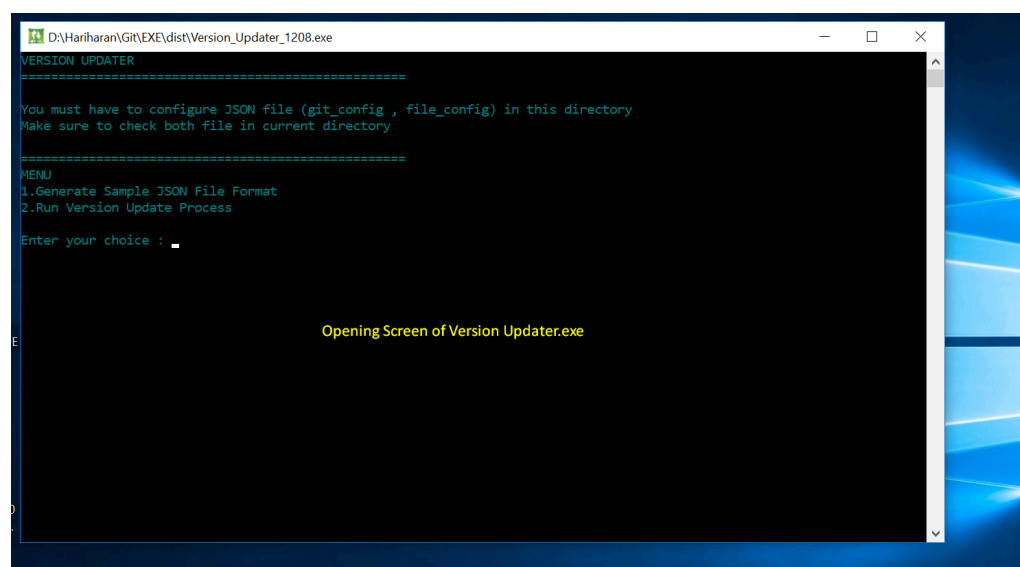Basic requirements to run this exe are

1. Git Bash
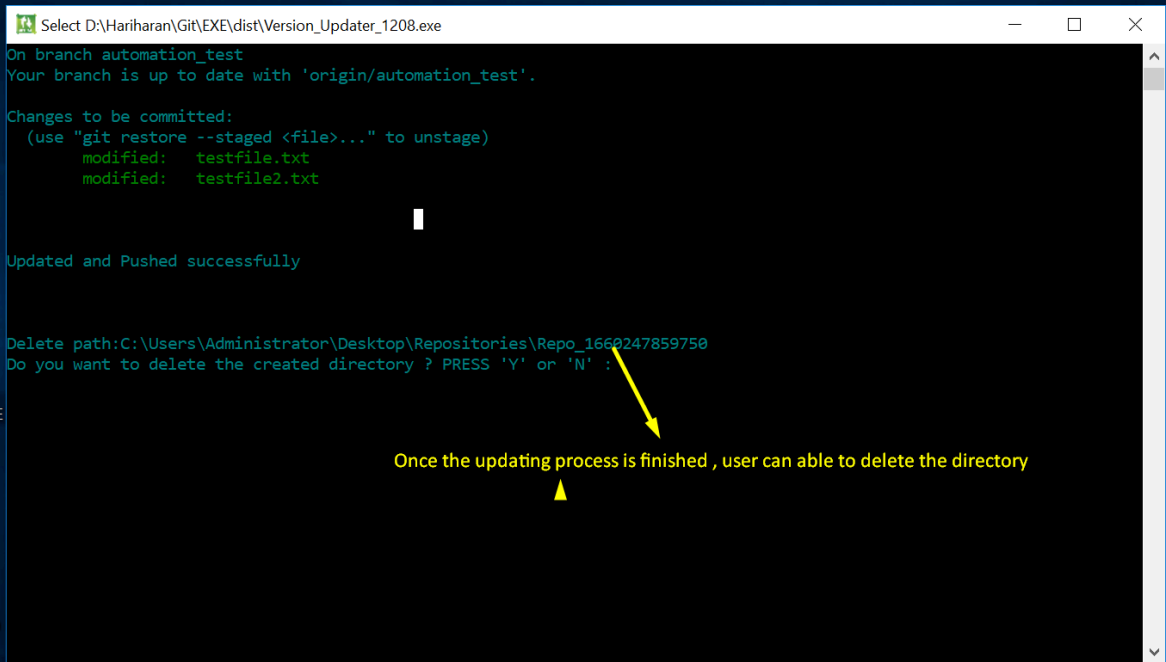2. Properly configured JSON File

STEPS TO USE:

STEP 1: Double click the exe file to open

STEP 2: Below Image is an example of the opening screen of exe. Here you can choose either to generate sample JSON or execute the exe file to proceed with the update process.

- To Generate Sample JSON -> Enter **"1"** in the place of "Enter your choice:"
- To Proceed Update process(If JSON is already configured) -> Enter **"2"** in the place of "Enter your choice:"

Opening Screen of Version Updater.exe

STEP 3: Once the update process is finished you can delete the cloned repository in your local machine if you want.

On branch automation_test
Your branch is up to date with 'origin/automation_test'.
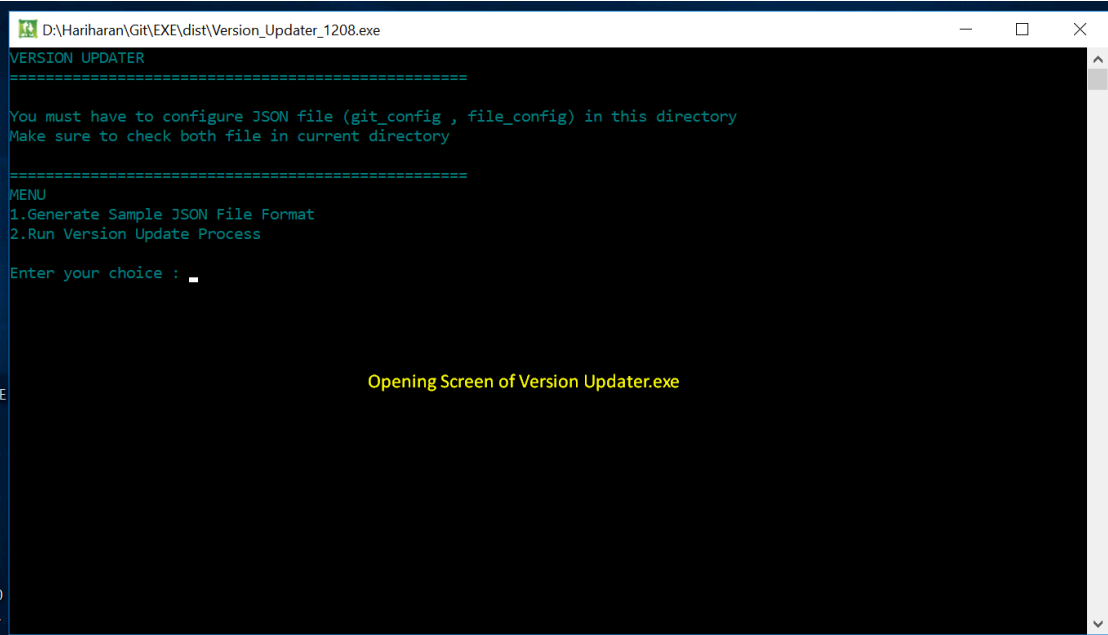
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified: testfile.txt
        modified: testfile2.txt

Updated and Pushed successfully

Delete path:C:\Users\Administrator\Desktop\Repositories\Repo_1660247859750
Do you want to delete the created directory ? PRESS 'Y' or 'N' :

Once the updating process is finished , user can able to delete the directory

SCREENSHOTS:

VERSION UPDATER
===

You must have to configure JSON file (git_config , file_config) in this directory
Make sure to check both file in current directory

===
MENU
1.Generate Sample JSON File Format
2.Run Version Update Process

Enter your choice :

Opening Screen of Version Updater.exe

```
D:\Hariharan\Git\EXE\dist\Version_Updater_1208.exe                              —    □    ✕

VERSION UPDATER
=====================================================

You must have to configure JSON file (git_config , file_config) in this directory
Make sure to check both file in current directory


=====================================================
MENU
1.Generate Sample JSON File Format
2.Run Version Update Process

Enter your choice : 2
JSON Configured file Missing in current directory
Press Enter to Close !!
```

JSON file must be configured properly before executing this .exe file

```
D:\Hariharan\Git\EXE\dist\Version_Updater_1208.exe                              —    □    ✕

VERSION UPDATER
=====================================================

You must have to configure JSON file (git_config , file_config) in this directory
Make sure to check both file in current directory


=====================================================
MENU
1.Generate Sample JSON File Format
2.Run Version Update Process

Enter your choice : 1
Sample Git Config created Successfully
Sample file Config created Successfully
Configure JSON and Run Version Updater
Press Enter to Close !!
```

To download sample JSON Config format , user can select option 1 for generate sample JSON,
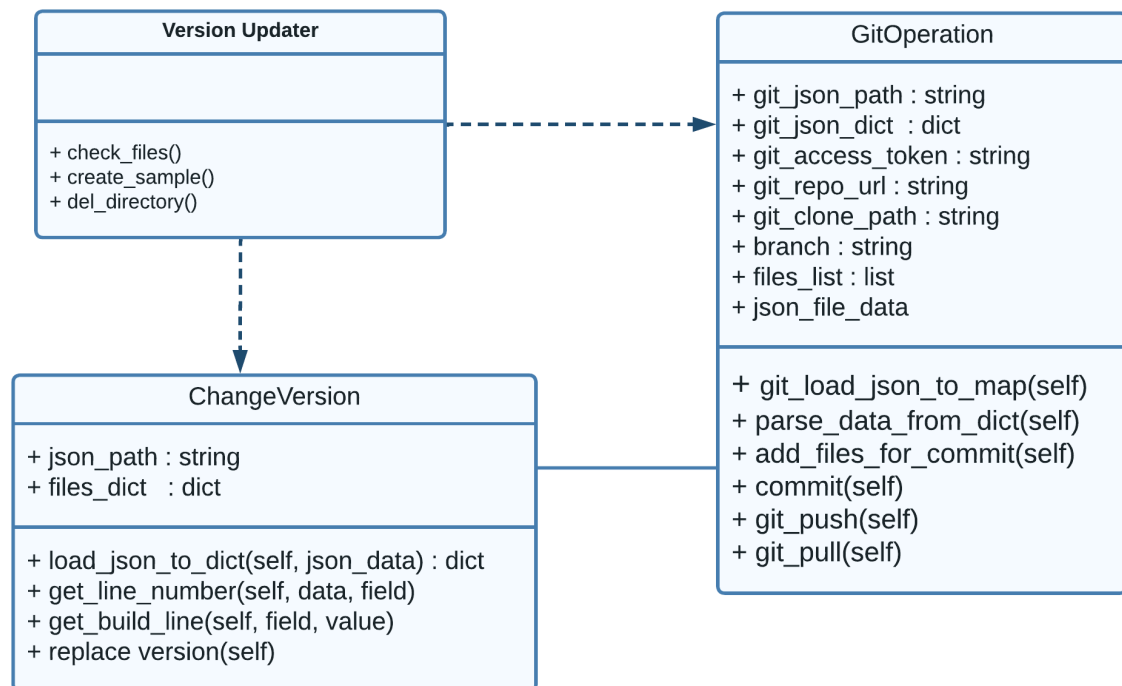Once it created,those files must have configured with proper credentials

D:\Hariharan\Git\EXE\dist\Version_Updater_1208.exe — □ ✕

```
Enter your choice : 2
Creating new directory with timestamp
Directory Exist.Creating new directory with timestamp
Switched to a new branch 'automation_test'
branch 'automation_test' set up to track 'origin/automation_test'.
Github repository cloned successfully
File Path :C:\Users\Administrator\Desktop\Repositories\Repo_1660247859750\testfile.txt

File Path :C:\Users\Administrator\Desktop\Repositories\Repo_1660247859750\testfile2.txt

testfile.txt: Successfully Edited

C:\Users\Administrator\Desktop\Repositories\Repo_1660247859750\testfile.txt added to list for commit

testfile2.txt: Successfully Edited

C:\Users\Administrator\Desktop\Repositories\Repo_1660247859750\testfile2.txt added to list for commit

On branch automation_test
Your branch is up to date with 'origin/automation_test'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   testfile.txt
        modified:   testfile2.txt


Updated and Pushed successfully
```

Configured files are updated and pushed
to the Repository Successfully

Select D:\Hariharan\Git\EXE\dist\Version_Updater_1208.exe — □ ✕

```
On branch automation_test
Your branch is up to date with 'origin/automation_test'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   testfile.txt
        modified:   testfile2.txt



Updated and Pushed successfully


Delete path:C:\Users\Administrator\Desktop\Repositories\Repo_1660247859750
Do you want to delete the created directory ? PRESS 'Y' or 'N' :
```

Once the updating process is finished , user can able to delete the directory
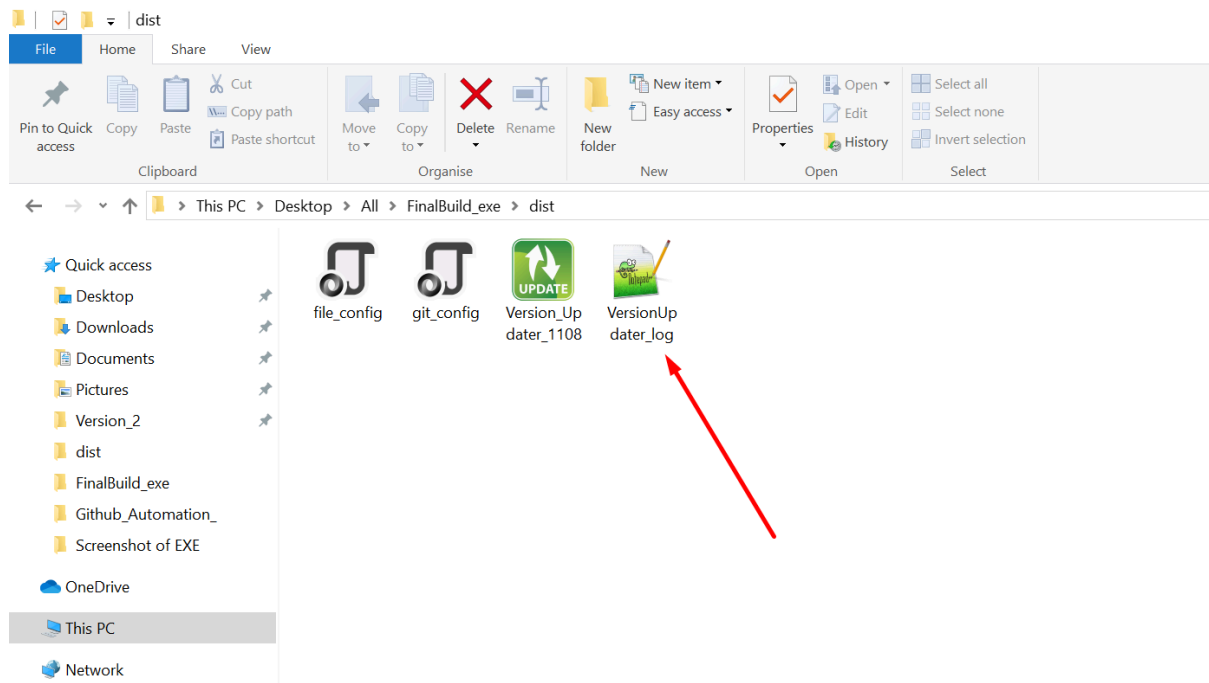
UML DIAGRAM:

Version Updater
+ check_files() + create_sample() + del_directory()

GitOperation
+ git_json_path : string + git_json_dict : dict + git_access_token : string + git_repo_url : string + git_clone_path : string + branch : string + files_list : list + json_file_data
+ git_load_json_to_map(self) + parse_data_from_dict(self) + add_files_for_commit(self) + commit(self) + git_push(self) + git_pull(self)

ChangeVersion
+ json_path : string + files_dict   : dict
+ load_json_to_dict(self, json_data) : dict + get_line_number(self, data, field) + get_build_line(self, field, value) + replace version(self)

SAMPLE JSON FORMAT:

git_config.json

```
{
  "repo_url" : "https://github.com/harikutty5896/Programming-Task.git/",
  "clone_path": "",
  "access_token" : "ghp_uBAllUngw86*********BxBR3mVDVy",
  "branch_name" : "automation_test"
}
```

file_config.json

```
{
  "testfile.txt":"999.0.99.9",
  "testfile2.txt":"999.0.99.9"
}
```

TROUBLESHOOT:

If you want to check all status of events that occurred or If any errors/exceptions, then what are the errors and exceptions that occurred while running an exe, you can check it in the VersionUpdater_log.LOG file