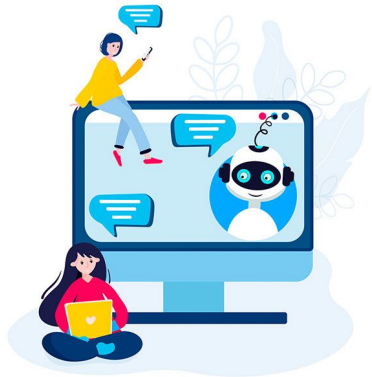


File Bot

Comma Separated Value Added!

Team No. 15

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- Yash Ghatole
- Nikhil Prashant Patil
- Aiman Patel



Problem Statement

Software developers don't have a platform where they can perform manipulations on CSV files.

- Writing API/methods for each functionality.
- Manipulating it on the fly is tedious.
- Having a local copy of the files.

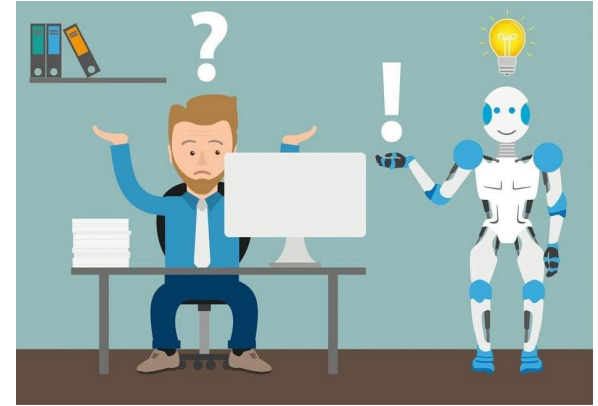


Solution



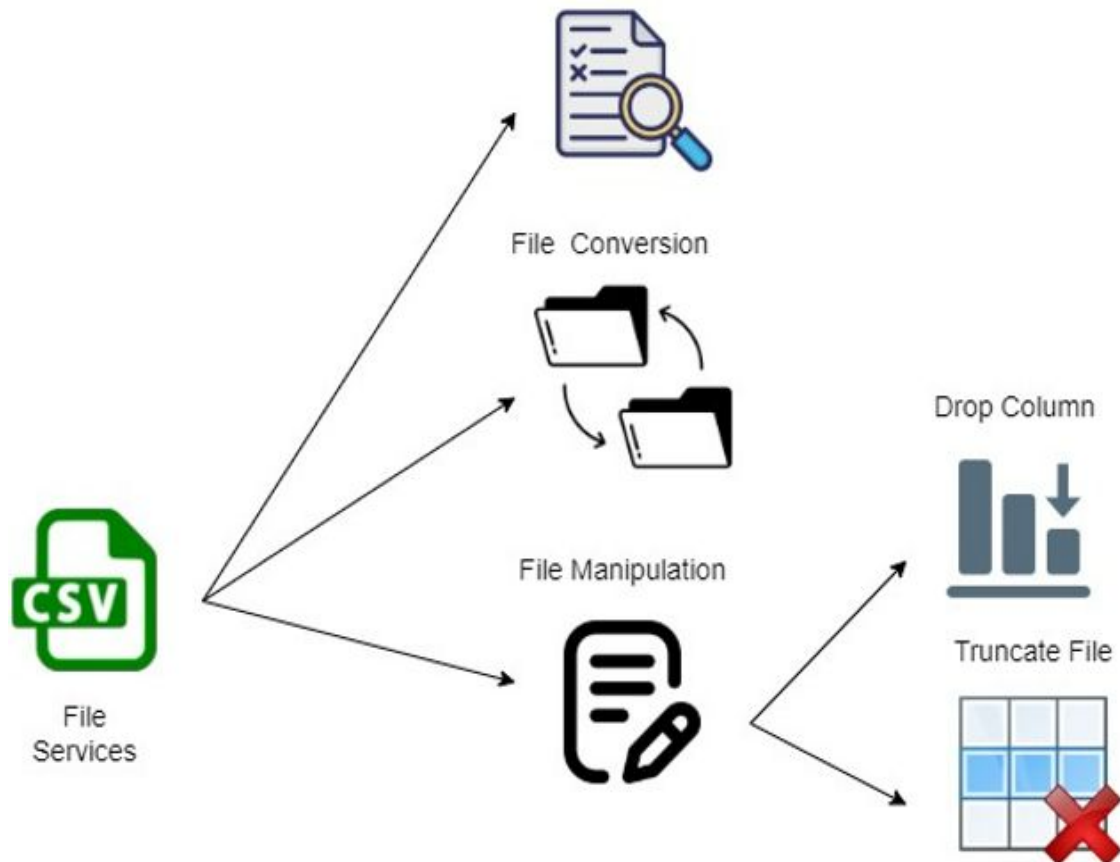
Interactive File Bot which performs functions on csv file

- Summary statistic
- File conversions
- File manipulations



- Refrain developers from writing different APIs/ methods

Use cases



Technology

- **Scripting Language:**
 - Javascript
- **Slack API**
 - Slack Bolt
- **Mocking Data**
 - Nock Library (nodejs)
- **GitHub REST Services**
- **Configuration Management**
 - Ansible (.yaml)
- **Testing**
 - Chai



GitHub



Rest API V3



ANSIBLE

Testing

Some of the Test cases written are as follows:

- ensures that entered GitHub URL is valid
- ensures that TruncateRows successfully returned updated file
- ensures that converToJson successfully returned JSON file



27 passing (1s)

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	80.33	68.18	100	80.33	
mediator.js	92.91	83.33	100	92.91	19-20,28,34,40,46,52,99-100
slack.js	74.73	62.5	100	74.73	...,151-159,168-172,205-209,237-238,245-249

Deployment

Downloading latest NodeJS



Installing NodeJS



Git Clone of the project repo



Installing required packages



Install forever



Giving read/write directory access

```
PLAY [Apache server installed] *****

TASK [Gathering Facts] *****
ok: [152.7.176.227]

TASK [Download NodeJS] *****
[WARNING]: Consider using the get_url or uri module rather than running 'curl'. If you need to use command
because get_url or uri is insufficient you can add 'warn: false' to this command task or set
'command_warnings=False' in ansible.cfg to get rid of this message.
changed: [152.7.176.227]

TASK [Install NodeJS] *****
ok: [152.7.176.227]

TASK [Basic usage] *****
ok: [152.7.176.227] => {
  "msg": "*****"
}

TASK [Example clone of a single branch] *****
changed: [152.7.176.227]

TASK [Install packages based on package.json using the npm.] *****
changed: [152.7.176.227]

TASK [Install Forever] *****
ok: [152.7.176.227]

TASK [Fix 'support_tools' permissions] *****
[WARNING]: Consider using 'become', 'become_method', and 'become_user' rather than running sudo
changed: [152.7.176.227]

PLAY RECAP *****
152.7.176.227      : ok=8    changed=4    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```

