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Roster: Kevin Wang (PM), Hui Wang, Marc Jiang, Ian Jiang

Soft Dev

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Our Project:

Our project is called **Ducky Drive**. Our idea is to implement a copy of Google Drive, using the **lab machines** as the storage backend. This will enable easy access to your files on the lab machines, and functionality like uploading, downloading, viewing, editing, deleting, and creating files will make **file management as abstract as possible**.

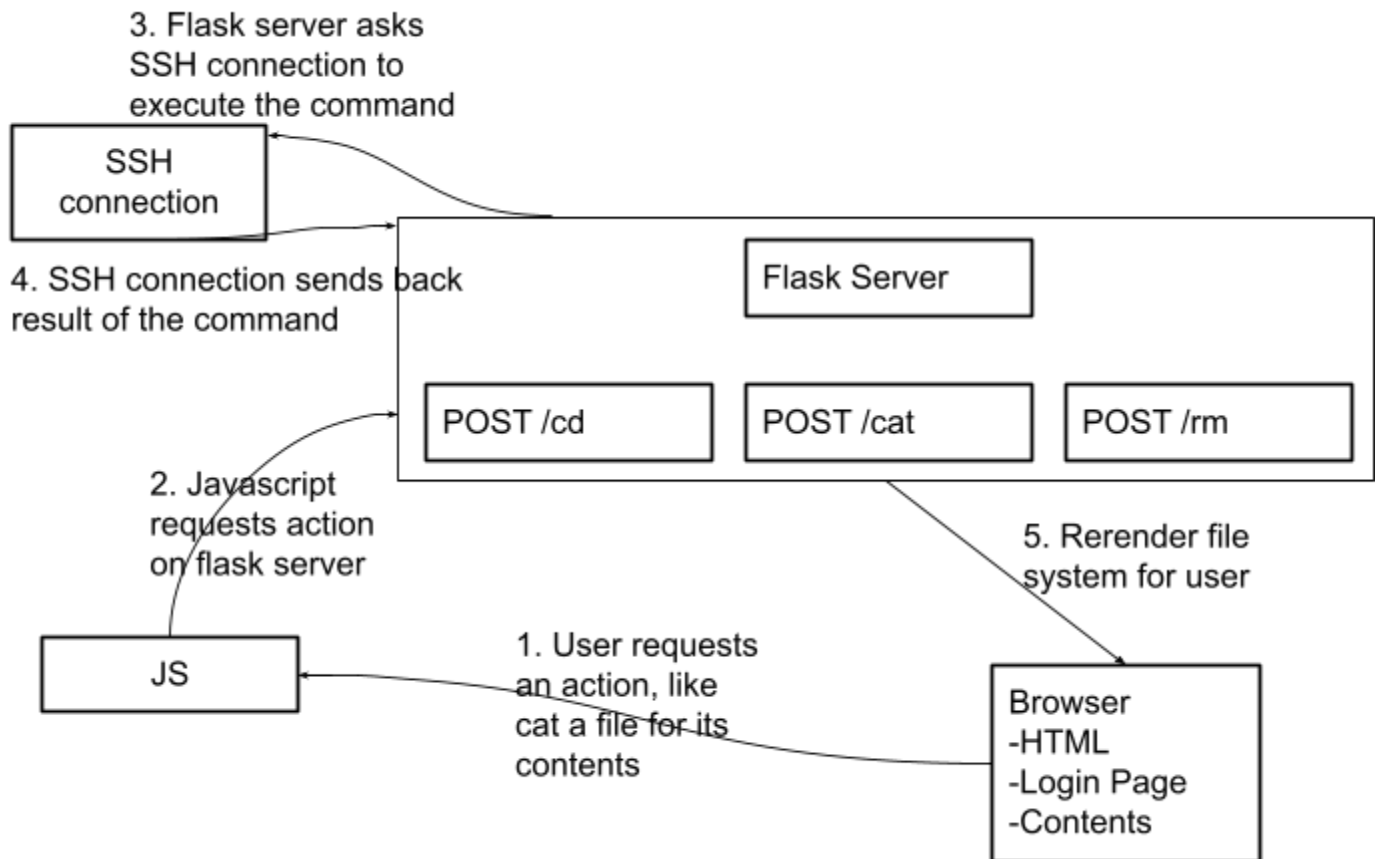
Program List

1. **__init__.py** - Basic driver with Flask. Create routes that allow authenticated users to perform different actions on their file system.
2. **Fileman.py** - handles opening ssh connection and sending commands to the ssh server. Communicates with **__init__.py** to perform actions.
3. **static/css/** - Formatting that FEF doesn't take care of
4. **static/js/** - Act as middleware to query flask server routes when a user demands it on the front-end, such as when a button is clicked.
5. **templates/** - our HTML files for the respective pages we need

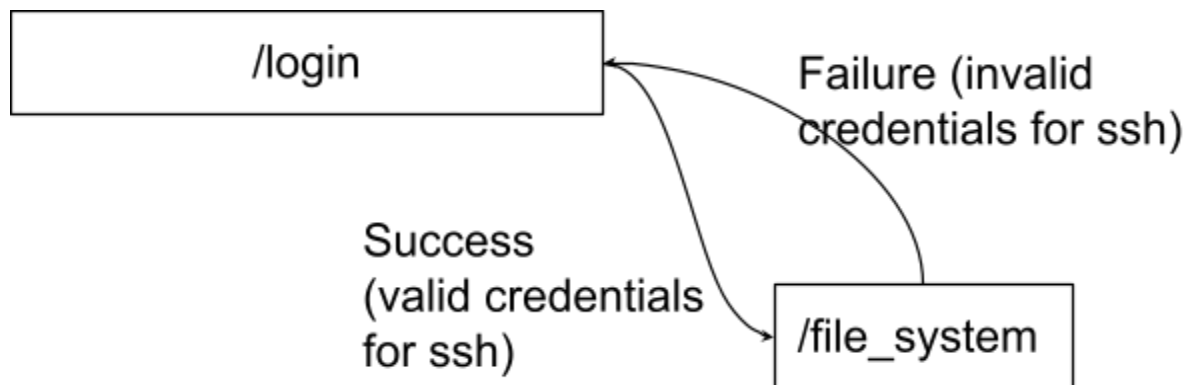
Database Organization

No database required! Storage is managed on the lab machines, and no user information is stored.

Component Map



Site Map (Front-end)



Assignments to Members

Marc:

- Uploading files

Kevin:

- File manipulation
- Directory manipulation

Ian:

- Downloading files

- droplet

Hui:

- Front-end

MVP:

- Upload files from local computer to server
- Download from server to local computer
- File manipulation
 - Viewing
 - Moving
 - Renaming
 - Deleting
 - Creating
 - Editing
- Directory manipulation
 - Renaming
 - Deleting
 - Creating

Stretch Goals:

- Web based ssh'ed terminal for power users who need more functionality
- Search filesystem for a particular file
- Previewing different file types
 - pdfs
 - images
- Sharing files with other users
- Advanced filtering
 - By extension
 - By date modified

API Section:

No APIs needed

FEF Features Why and How?

Why:

- Bootstrap is easier to work with & looks cleaner.
- Bootstrap containers improve responsiveness and user experience
- Foundation is difficult to work with

How:

- Bootstrap modals can help with previewing and editing files
- Mobile responsiveness