

# OMP 2020



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Perera



# Mentors

## Primary Mentor

Sean Grady

## Backup Mentor

Leanid Astroku (Lenny)

# Main objectives of The Project.

The Zowe Virtual Desktop needs to provide a way to easily transfer files and datasets from the mainframe to a user desktop and vice versa, while dealing with encoding and security. Main goal of the project is to work on the file-transfer application and make it ready for the production environment. It should provide the ability to transfer large files and datasets and also should provide mechanisms to download large files from the client browser. And should work on the back end missing endpoints which requires for the file-transfer application to work.

Also there will be more work on the interface of the application to make it more intuitive with the provided 2 mockup files.

# Background Work

1. Worked with Lenny on fixing the existing PR on file-tree and got it merged to the staging branch :- Fixed the issues Lenny pointed out in the PR. (<https://github.com/zowe/zlux-file-explorer/pull/71>)
2. Worked with Lenny on fixing the existing PR on file-transfer app and got it merged and make it ready for me to work further on :-  
PR(<https://github.com/zowe/file-transfer-app/pull/41/commits/47757a4559d6a0a24cac7213becf77a8675aabf8>)

# Project Objectives

## Primary Goals

- Research on finding best solution for larger file downloads from client side.
- Work on the download services.
- Work on the file-transfer app mockups.
- Work on the file-transfer api missing endpoints.

# Project Objectives

## Primary Goals

- Research on finding best solution for larger file downloads from client side.

## Sub Tasks

- Define the expected outcome from this library :- Done (Sean)
- Work on finding the best library to move forward with and come up with a working demo :- Done (Ayesh)
- Work on mocking the mainframe endpoints till getting the access to the mainframe :- Done (Ayesh)
- Moving from mock data to mainframe data and testing things out :- in progress (Ayesh)

# Project Objectives

## Primary Goals

- Work on the download services. :- Completed .

## Sub Tasks

1. Ability to download larger files from the service. (done)
2. Should be able to cancel download anytime. (done)
3. Should be able to pause and resume download (inprogress :- still finding the best way to do so)
4. Should be able to track the progress of the download. (done)
5. Should be able to download content in folder. (not done)

# Project Objectives

## Primary Goals

- Work on the file-transfer app mockups. :- In progress

## Sub Tasks

1. File tree should store and retrieve history of search (done)
2. Worked on the given mockups
  - Download Inprogress Tab :-
    1. Search bar :- Done
    2. Queue Downloads :- Done
    3. Prioritize downloads :- Done (High, Low)
    4. Cancel download:- Done
    5. Show the progress bar :- Done
    6. Show the time left for the download :- In progress
    7. Download speed :- Not started working
  - Completed Download Tab && Canceled or Errored Download Tab :-
    1. In Progress Downloads should move to these tabs based on the final outcome (done).
    2. Data table operations (search, sort) (done)
    3. Rest service to persist history of cancel and completed downloads. (done)



# Project Objectives

## Primary Goals

- Work on the file-transfer app mockups. :- In progress

## Sub Tasks

3. Fixed the time taken to compile the source code :- Previously it took 5 minutes now around 50 sec (done) (scss load)
4. Fixed the conflicts in the current ui css (followed the same approach as the file tree introduced as global.css file and remove the usage of syls.scss file)
5. Should give the ability for end user to configure ( Download queue size , no of items to kept in the history configs) :- Not yet touched

# Project Objectives

## Primary Goals

- Work on the file-transfer api missing endpoints.

## Sub Tasks

1. Extend the current supported extentiontions to support more file types (done)
2. Work on missing endpoints :- not touched yet.

# Project Objectives

## Related PR :-

<https://github.com/zowe/file-transfer-app/pull/49> :- Merged

<https://github.com/zowe/file-transfer-app/pull/50> :- Merged

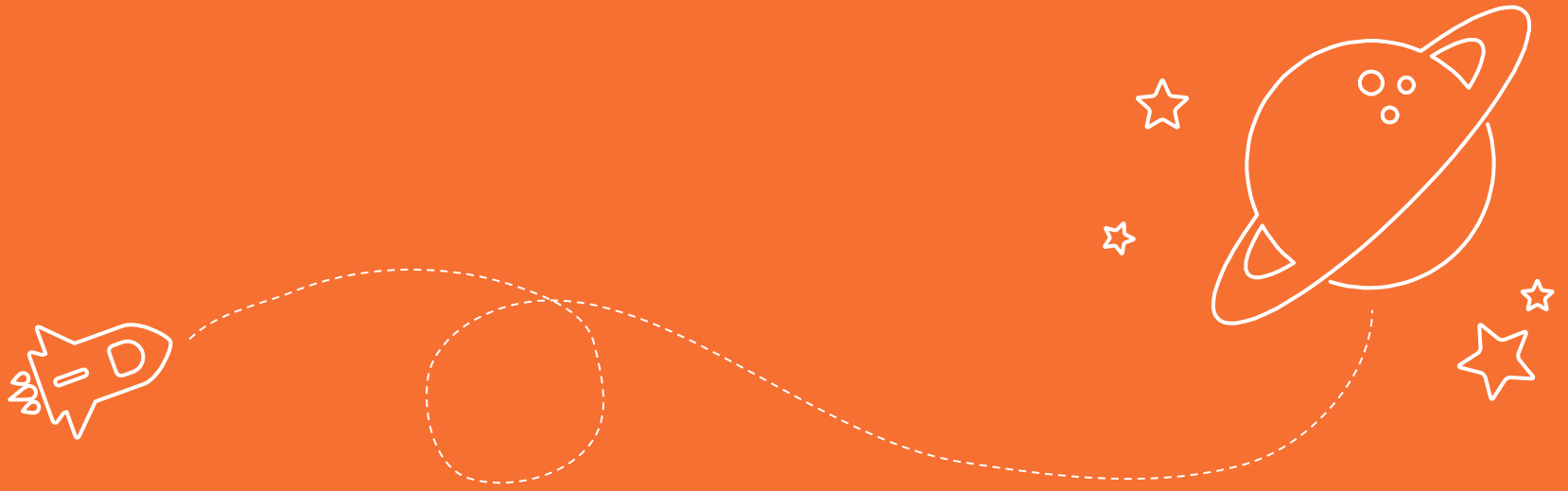
<https://github.com/zowe/file-transfer-app/pull/54> :- Inprogress (finalizing)

<https://github.com/zowe/zowe-common-c/pull/148> :- Merged

# Project Objectives

```
While (true) {  
    for( i in primary_task_arr){  
        sysout("Sean always helping")  
        sysout("Lenny always helping")  
        alert("thank you all")  
    }  
}
```





# Demo



**Thank You**