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|  | Desktop client | Mobile client | Server |
| Timetable | Process | Process |  |
| Week1 | Configure the computer to connect to AWS S3. | Create an empty project and finished the configure to the AWS S3. |  |
| Create a new electron project. |  |  |
| Week2 | Open the project, configure the Access key ID and Secret Access Key in code and make the project connect to S3. | Use low level API to implement upload and download function for one file. |  |
| Add a file selector and initially implement the function of uploading a single file to S3. |  |  |
| Week3 | Initial download of a file with a specific name. | Change the upload and download function by using TransferUtility. |  |
| Week4 | Preliminary deletion of files with specific names. | Get the filename from local storage and show it on the app. |  |
| Rename the file on the desktop client and upload it to S3. |  |  |
| Week5 | Try to use E-tag and MD5 to edit the file and incrementally upload the changed part. Then compare the local file and the last modified time of the server file to upload the modified file, but it is not successful. | Solve the problem of download function which run on the main thread. |  |
| Week6 | Create a folder called deadlinefighters on the local disk. | Get the list of files in the server and adjust the UI to make it better for look. |  |
| List all files stored on the server. |  |  |
| Add button function to every listed file. |  |  |
| Week7 | Click on each individual file, jump out of the two dialogs, download and delete, and perform related operations for specific files. | Set the click listener on the file listing on the app make sure it can alert a dialog which have the buttons that users can operate to this file. |  |
| Simplify syncing, first upload all local files then download all server files. |  |  |
| Week8 | Get a list of local files and use a loop to add an upload function to each file. | Get the list of files in the local sync folder and add the function rename and delete.  Simplify syncing, upload all local files then download all server files. |  |
| Week9 | Get a list of server files and use a loop to add a download method to each file. | Add function rename and add FileObserver to detect the files in the local sync folder. |  |
| Add upload all function and download all function to the sync function click event. |  |  |
| Week10 | Add CSS. | Change the AWS S3 server as endpoint to the python server. |  |
| Package the whole client to a desktop application. | Package the whole client to an application. |  |