

# File Upload Peer Review Modifications

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Reviewer: Joshua Quibin

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## Unmet Requirements

- *Files can be downloaded from storage to a user's device. (githelsui/WeCasa: @ Team HAGS JP.)*
  - The diagrams fail to outline the file download functionality. Hence, this requirement is not met by the design.

**Solution:** I will add the ability to download a file to the wireframes, sequence diagrams, and implementation.

## Design Recommendations

- Downloading a file from storage to a user's device is a functionality that I believe elicits its own separate design documentation, including sequence diagrams outlining both failure/success scenarios and accompanying wireframes that document the process' flow. This functionality would require minimal validation, aside from Group Access validation, given that this functionality isn't permission exclusive to only the file uploader as outlined in the BRD.

**Solution:** I will add the ability to download a file to the wireframes, sequence diagrams, and implementation.

- In the case of having the user upload an object with the same name, my design recommendation is to have versioning enabled for the S3 Bucket which enables users to upload duplicate files with similar naming conventions as pre-existing files, and cuts down on the need for name validation.

- Alternatively, if we decide to keep versioning disabled for the S3 bucket, file name validation should be a mandatory inclusion for file uploads and we can moderate the option for users to overwrite files that belong to them by prompting them with a confirmation message.

**Solution:** I will keep bucket versioning enabled for the S3 bucket to easily keep track of deleted files that were deleted within the last 24 hours. To prevent duplicate files from being created within the same group bucket, I will implement frontend input validation for uploaded files and check that a file does not already exist in the group files bucket with the same name.

- Despite not being outlined in the BRD, I believe we should provide the user with the option to permanently delete their files as opposed to only giving them the option to recover a deleted file, in the event that they want to expedite the process of removing a file from our system.

**Solution:** I agree that this feature will not only be useful but align with the California Consumer Privacy Act's regulations surrounding the *Right to Delete*. Therefore, I will add the ability to permanently delete a file to the wireframes, sequence diagrams, and implementation.