

Objectives

The document summarizes all the test activities to be performed and ensure the upload file features satisfy function and non-functional requirements.

In Scope

Features to be tested	Description
Upload file	Single, multiple, partial files uploaded. Resume after failing some parts Support drag and drop file. File stored on server after uploading Behavior on different network conditions
FileName format	Special characters not allowed
Size Limit	Within and over file size limit
File Types	Only whitelisted file-types (document, images..) in the upload dialog allowed to be uploaded
Executable file not allowed	exe, bat, SQL injection, XSS, shell script, malware is not allowed
Same file uploaded	Not overwrite a file with the same name. A copy is created
File Server is full	Warn or notice to user
Limited upload number of files and size in 5 minutes	Prevent flood api upload, DDos attack

Out of scope

- Security, performance and disaster recovery (File server down, the upload files are not damage and backup strategy) for File server
- File Attachment scanner to detect malware, virus....
- File encryption, compression or hashing file name to deal with file duplication.
- Procedure deal with file safety/ compliance deletion after expiry
- Accessibility testing (a11y)
- Not mentioned in scope.

Test Approach

Layers	Activities
Front End	<ul style="list-style-type: none">• Showing successful/ error messages after uploading.• File name, extension validation• User is able to resume after poor network or network failure• User is able to upload on different network speed conditions
API (if accessible). Otherwise test through from the front end.	<ul style="list-style-type: none">• Validate executable file, over size limit, filename contains special characters are not allowed to upload• Uploaded file store on server• White listed files only allowed to be uploading• Validate files are not overwritten with the same name by different/same users

Entry criteria

- Test plan has been reviewed and signed off
- Unit test coverage > 80%
- QE reviews unit tests and approves
- All high impact defects are found in unit test phase have been tracked to closure
- Test environment is ready
- Test cases reviewed and approved

Exit criteria

- All high impact defects are found in test phase have been tracked to closure
- All remaining defects found have been documented with either action plan for resolution or sign-off by product owner
- Test summary report has been reviewed and sign-off

Tools

- qTest for test results and test cases managements
- Using playwright for automation UI and API tests
- Postman for quick check api calls

Test Environments

- Chrome version 52 or above
- File server (OS linux, ram, cpu, protocol, application installed)

Test Deliverables

- Test plan
- Test cases
- Test scripts
- Test summary reports

Assumption and Risk

Assumption	Owner	Likelihood of holding good	Impact if not true
All requested resources are available	Project manager ¹	H	H
Test Environment should be stable and in-sync with production code	team	M	M
Test data are reused for system test, regression test, user acceptance test	QE	M	M

Role and Responsibilities (RACI) : <depend on real-life scenario>

Dependencies (None)

Estimation & Schedules: <depend on real-life scenario>

¹ Hien Vi Trinh - 2023 Feb