| **File Name** | **File Type** | **Size** | **Purpose / Test Cases Covered** |
| --- | --- | --- | --- |
| valid\_small.pdf | .pdf | 1 MB | Small valid PDF (TC\_FS\_05, TC\_UI\_01) |
| medium.doc | .doc | 20 MB | Typical file, under limit (TC\_FF\_02, A1) |
| large.pptx | .pptx | 40 MB | For cumulative add tests (A4, R1) |
| max\_limit.docx | .docx | 100 MB | Edge case at limit (A2, TC\_FS\_02) |
| over\_limit.xls | .xls | 105 MB | Exceeds size limit (A3, TC\_FS\_03) |
| overflow.xlsx | .xlsx | 30 MB | Pushes total over limit in group (A5) |
| valid\_combo1.pdf | .pdf | 29 MB | For multiple add (A4, A5, R6) |
| valid\_combo2.docx | .docx | 40 MB | For removal impact testing (R1, R2) |
| invalid\_format.exe | .exe | 5 MB | Unsupported type (TC\_FF\_10, A6) |
| invalid\_format.txt | .txt | 3 MB | Unsupported format (TC\_FF\_08) |
| duplicate.pdf | .pdf | 15 MB | Same file added twice (A7) |
| long\_name\_file.doc | .doc | 10 MB | Long name (TC\_ED\_01) |
| special!@#.ppt | .ppt | 5 MB | Special characters in name (TC\_ED\_02) |
| mixed\_valid1.ppt | .ppt | 25 MB | Used in valid group and removal (R1, R3) |
| malicious.doc | .doc | 3 MB | Simulated malicious payload test (TC\_SEC\_01) |
| script\_in\_name<script>.pdf | .pdf | 1 MB | XSS filename test (TC\_SEC\_02) |
| multi1.pdf | .pdf | 30 MB | Multi-file upload group (A4, A5) |
| multi2.pptx | .pptx | 40 MB | Multi-file upload group (A4) |
| multi3.doc | .doc | 29 MB | Multi-file upload group (A4) |
| replacer.pptx | .pptx | 60 MB | For R6: replacing file after remove |
| corrupted.docx | .docx | 1 MB | Invalid content but valid extension (TC\_ED\_05) |

**Detailed File Add Scenarios (with size and validation)**

**✅ Case A1 – Single File Add (Valid Format, Under Limit)**

* **File Name**: sample1.pdf
* **Size**: 20 MB
* **Action**: Add file via drag & drop
* **Expected Result**:
  + File is accepted
  + Total uploaded size: 20 MB
  + Upload and Process buttons enabled

**✅ Case A2 – Single File Add (Exactly at Limit)**

* **File Name**: sample2.docx
* **Size**: 100 MB
* **Action**: Add via "Browse"
* **Expected Result**:
  + File is accepted
  + Upload enabled, but no further files can be added
  + Total size = 100 MB
  + Further addition triggers validation error

**❌ Case A3 – Single File Add (Above Limit)**

* **File Name**: sample3.xlsx
* **Size**: 105 MB
* **Action**: Drag into box
* **Expected Result**:
  + File is rejected
  + Error: "File exceeds max size of 100 MB"
  + No file added to list
  + Upload/Process remain disabled

**✅ Case A4 – Multiple Files Add (Cumulative < Limit)**

* **Files**:
  + file1.pdf – 30 MB
  + file2.pptx – 40 MB
  + file3.doc – 29 MB
* **Total Size**: 99 MB
* **Expected Result**:
  + All files accepted
  + Upload enabled
  + Total size shown correctly: 99 MB

**❌ Case A5 – Multiple Files Add (One File Causes Overflow)**

* **Files**:
  + file1.pdf – 40 MB
  + file2.xlsx – 35 MB
  + file3.docx – 30 MB → pushes total to 105 MB
* **Expected Result**:
  + First two files accepted
  + Third file rejected with message: “Total size exceeds 100 MB”
  + Final list: only file1 and file2
  + Total size = 75 MB

**❌ Case A6 – Add Mixed Valid and Invalid Formats**

* **Files**:
  + file1.doc – 10 MB ✅
  + file2.exe – 5 MB ❌
  + file3.pdf – 20 MB ✅
* **Expected Result**:
  + Only valid files (file1, file3) are accepted
  + file2.exe is rejected with message: “Invalid file format”
  + Total size = 30 MB

**✅ Case A7 – Re-adding Same File Twice**

* **File Name**: sample.pdf – 15 MB
* **Add File** → Add Same File Again
* **Expected Result** (depends on business logic):
  + Option A: Show error “Duplicate file”
  + Option B: Accept both with suffix (e.g., sample(1).pdf)
  + Total size = 30 MB (if both accepted)

**🗑️ Detailed File Remove Scenarios (with recalculated size)**

**✅ Case R1 – Remove One File from Multi-File List**

* **Initial List**:
  + file1.pdf – 30 MB
  + file2.docx – 40 MB
  + file3.ppt – 25 MB
  + **Total**: 95 MB
* **Action**: Remove file2.docx
* **Result**:
  + Remaining: file1 + file3
  + New total: 55 MB
  + Upload button remains enabled

**✅ Case R2 – Remove File to Make Room for New One**

* **Initial**: file1.docx – 90 MB
* **Action**:
  + Add file2.pptx – 20 MB → REJECTED (would be 110 MB)
  + Remove file1
  + Add file2 again
* **Result**:
  + file2.pptx accepted
  + Total = 20 MB

**✅ Case R3 – Remove All Files**

* **List**:
  + file1.pdf – 30 MB
  + file2.doc – 40 MB
* **Action**: Remove all using "X"
* **Result**:
  + No files in upload list
  + Total size = 0 MB
  + Upload and Process buttons disabled

**✅ Case R4 – Remove During Upload in Progress**

* **Scenario**: Uploading file1.pdf (80 MB)
* **Action**: Click remove/X during upload
* **Expected**:
  + Upload should be canceled (if allowed)
  + File removed from queue
  + Status shown: “Upload canceled”

**❌ Case R5 – Try to Remove Already Processed File**

* **Scenario**: File already processed
* **Action**: Click “X” on processed file
* **Expected**:
  + System blocks removal with message “File already processed”
  + OR allows but gives confirmation

**⚠️ Case R6 – Remove File and Add a Large One Immediately**

* **Before Remove**:
  + file1 – 40 MB
  + file2 – 50 MB → Total = 90 MB
* **Action**:
  + Remove file2 (50 MB)
  + Add file3 – 60 MB
* **Result**:
  + New total = 100 MB
  + Addition successful only if recalculation is instant and synchronous