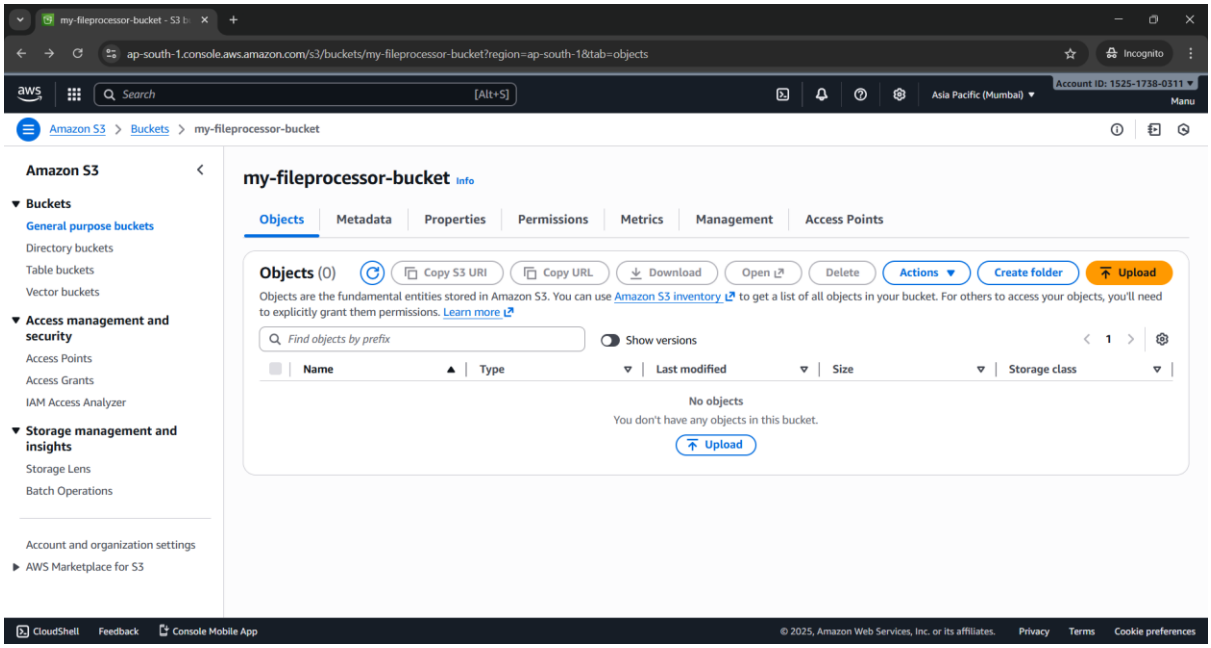
Store file into AWS S3 Bucket and access it

IAM User Manu

Bucket name – my-fileprocessor-bucket

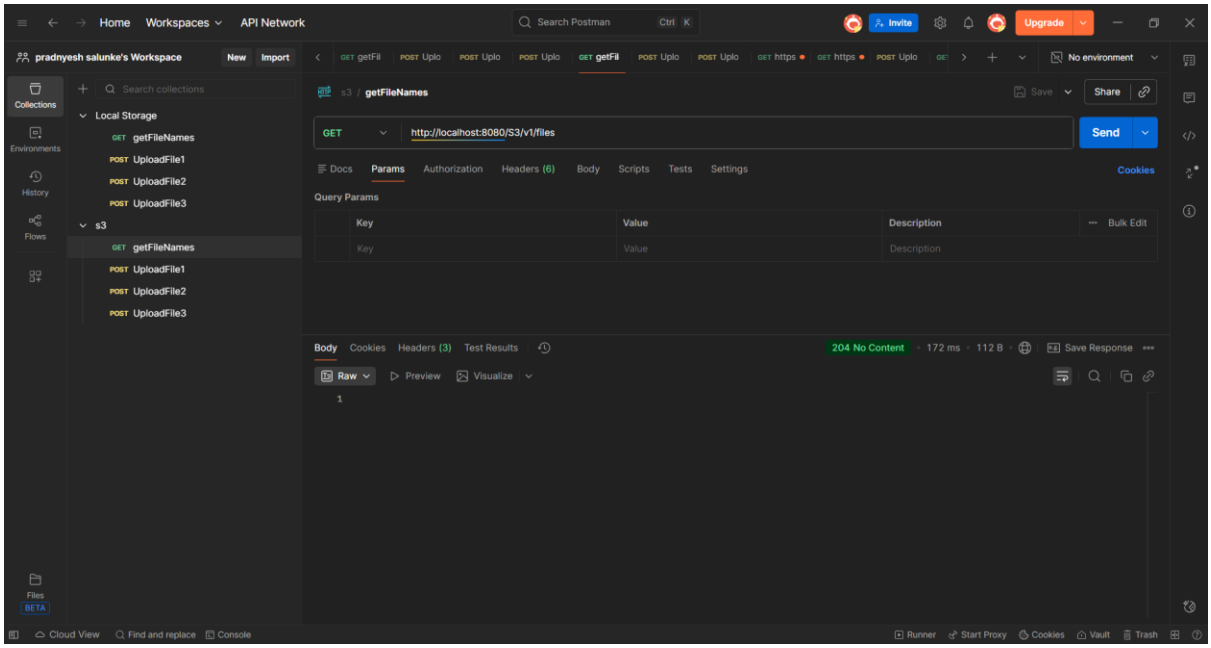
Empty bucket before uploading the files.



Get File Names –

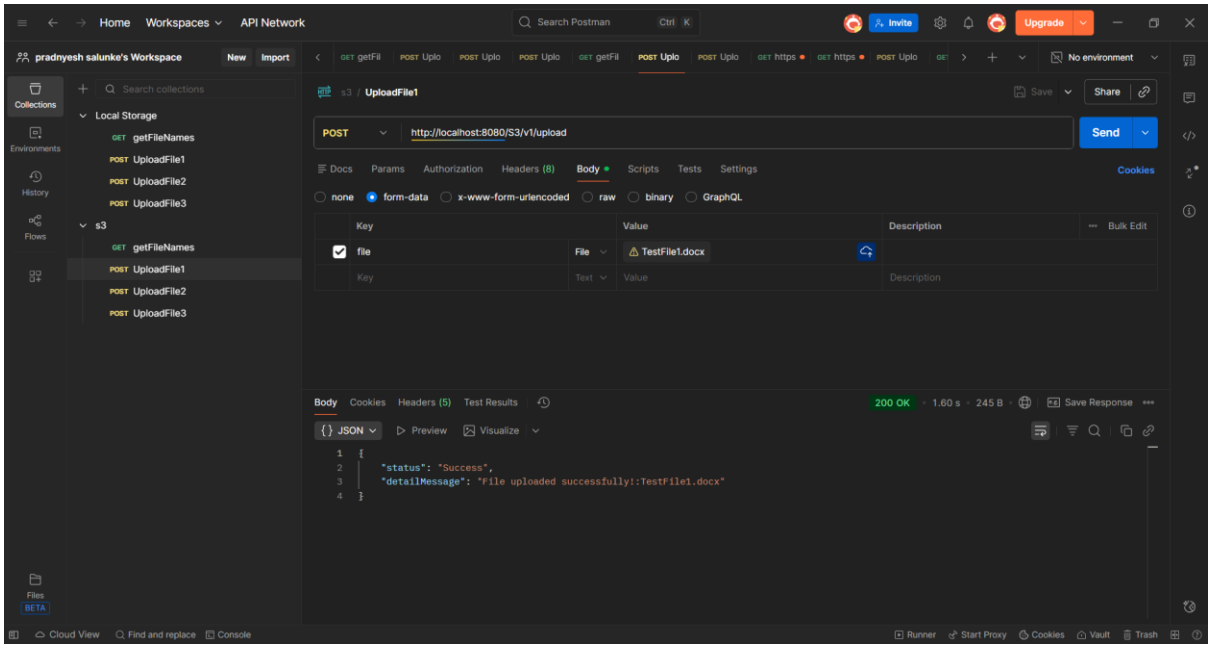
url – GET -http://localhost:8080/S3/v1/files

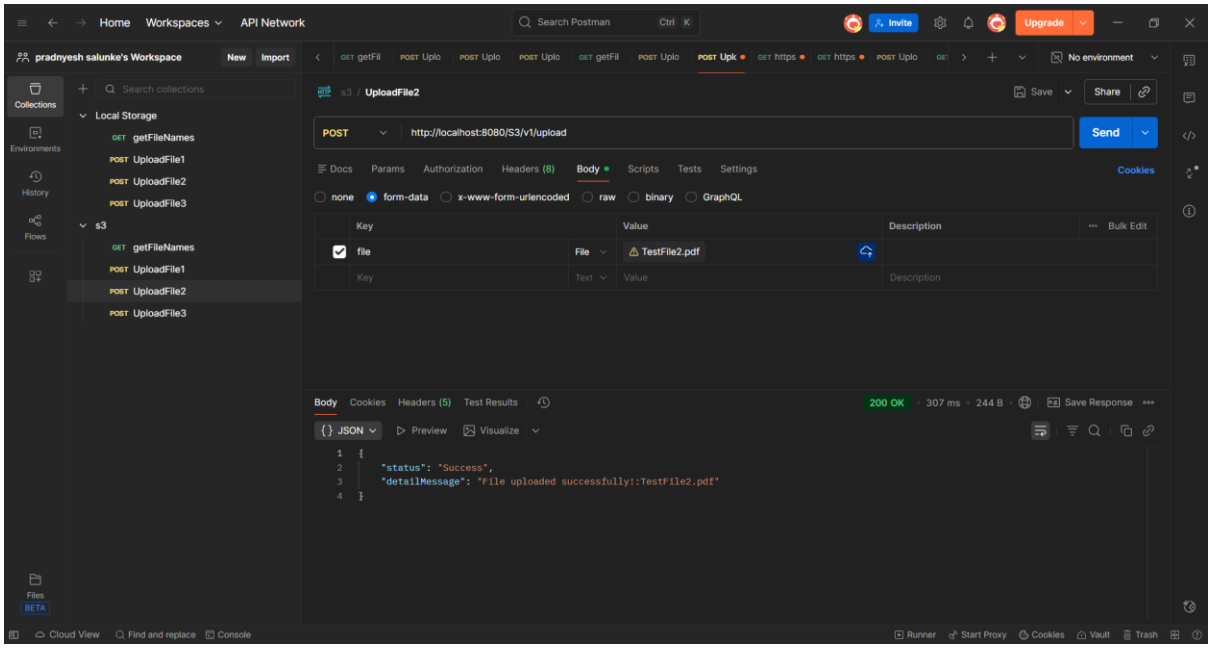
204 as no data found

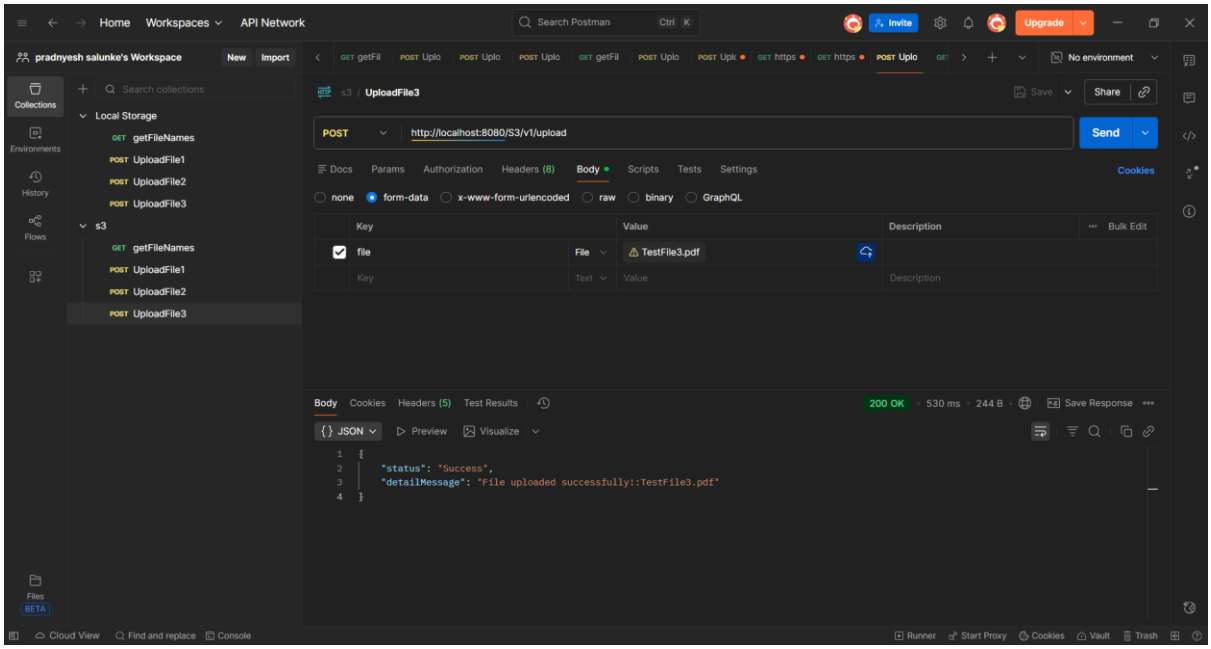


Now upload the file –

Post - http://localhost:8080/S3/v1/upload




Home
Workspaces
API Network
Search Postman
Invite
Upgrade
pradnyesh salunke's Workspace
New
Import
No environment
Collections
Environments
History
Flows
Files
BETA
Search collections
Local Storage
GET getFileNames
POST UploadFile1
POST UploadFile2
POST UploadFile3
s3
GET getFileNames
POST UploadFile1
POST UploadFile2
POST UploadFile3
s3 / UploadFile2
Save
Share
POST
http://localhost:8080/S3/v1/upload
Send
Docs
Params
Authorization
Headers (8)
Body
Scripts
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
Key
Value
Description
Bulk Edit
file
File
TestFile2.pdf
Key
Text
Value
Description
Body
Cookies
Headers (5)
Test Results
200 OK
307 ms
244 B
Save Response
JSON
Preview
Visualize
{
"status": "Success",
"detailMessage": "File uploaded successfully!:TestFile2.pdf"
}
Cloud View
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash


Home
Workspaces
API Network
Search Postman
Invite
Upgrade
pradnyesh salunke's Workspace
New
Import
No environment
Collections
Environments
History
Flows
Files
BETA
Search collections
Local Storage
GET getFileNames
POST UploadFile1
POST UploadFile2
POST UploadFile3
s3
GET getFileNames
POST UploadFile1
POST UploadFile2
POST UploadFile3
s3 / UploadFile3
Save
Share
POST
http://localhost:8080/S3/v1/upload
Send
Docs
Params
Authorization
Headers (8)
Body
Scripts
Tests
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
Key
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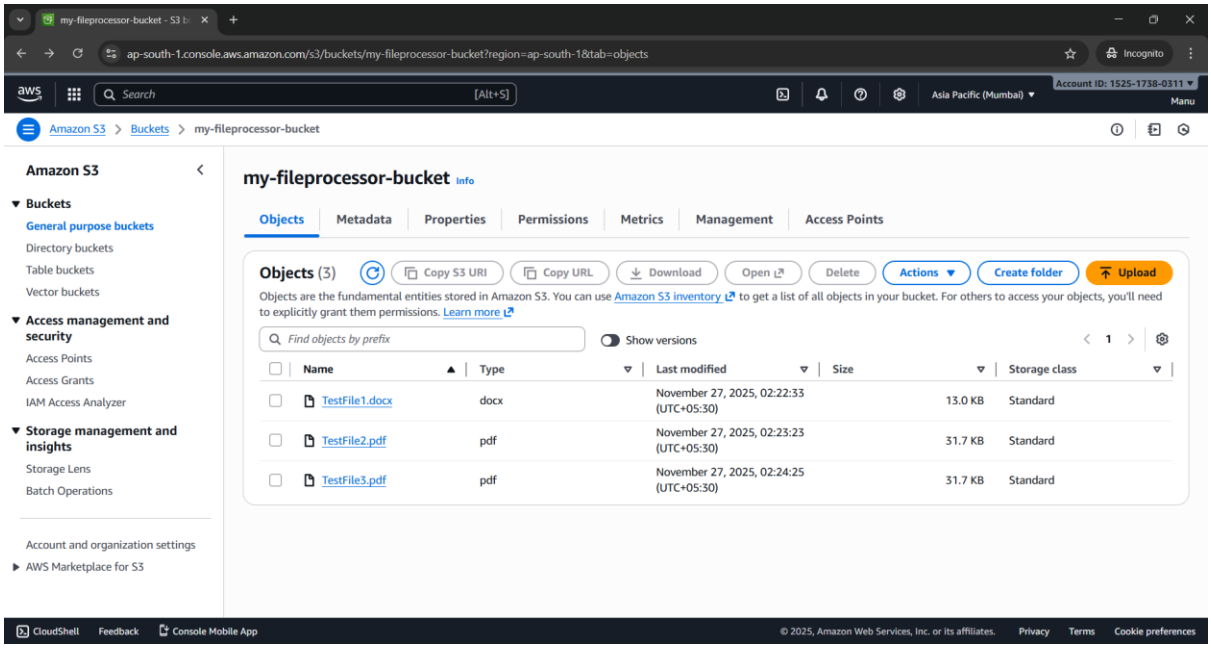
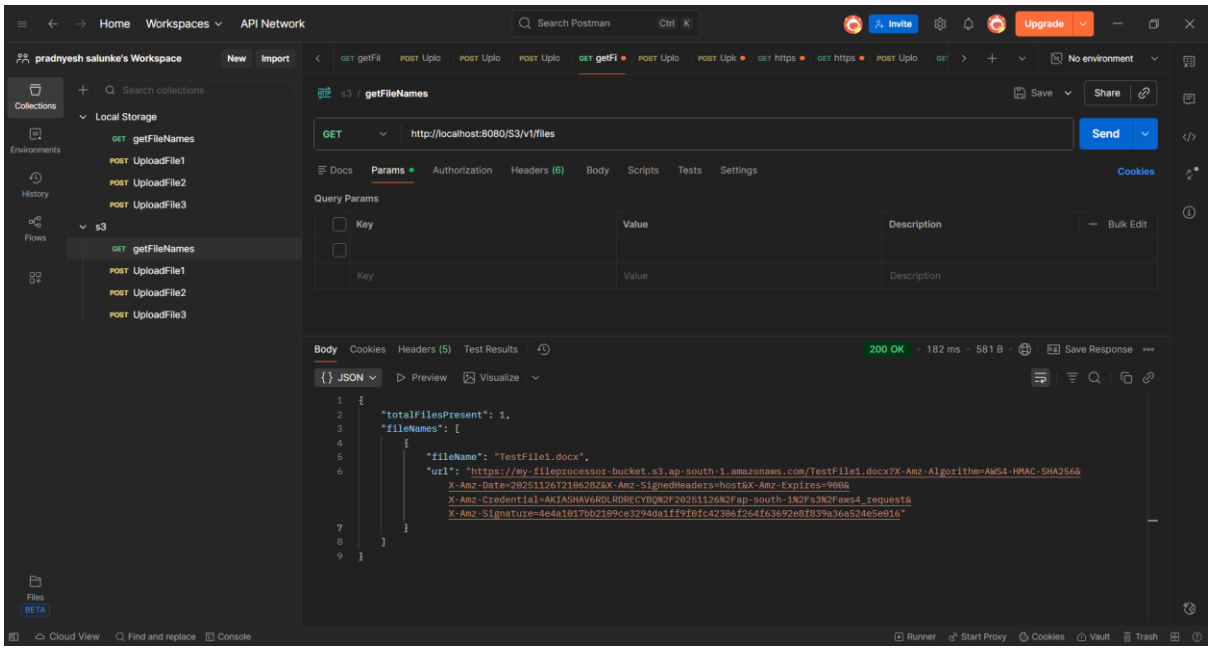
Description
Bulk Edit
file
File
TestFile3.pdf
Key
Text
Value
Description
Body
Cookies
Headers (5)
Test Results
200 OK
530 ms
244 B
Save Response
JSON
Preview
Visualize
{
"status": "Success",
"detailMessage": "File uploaded successfully!:TestFile3.pdf"
}
Cloud View
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash

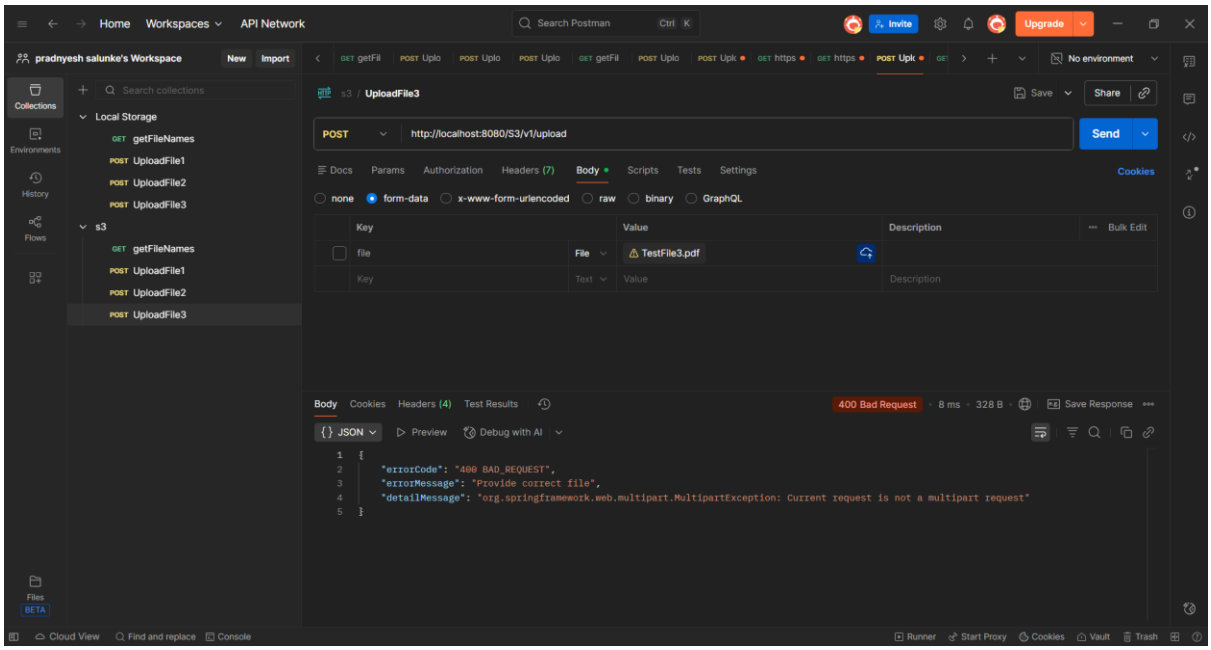
After uploading 3 files to s3 bucket



- Get file with URL – bucket is private but configure **pre-signed so that URLs can be access and** file download

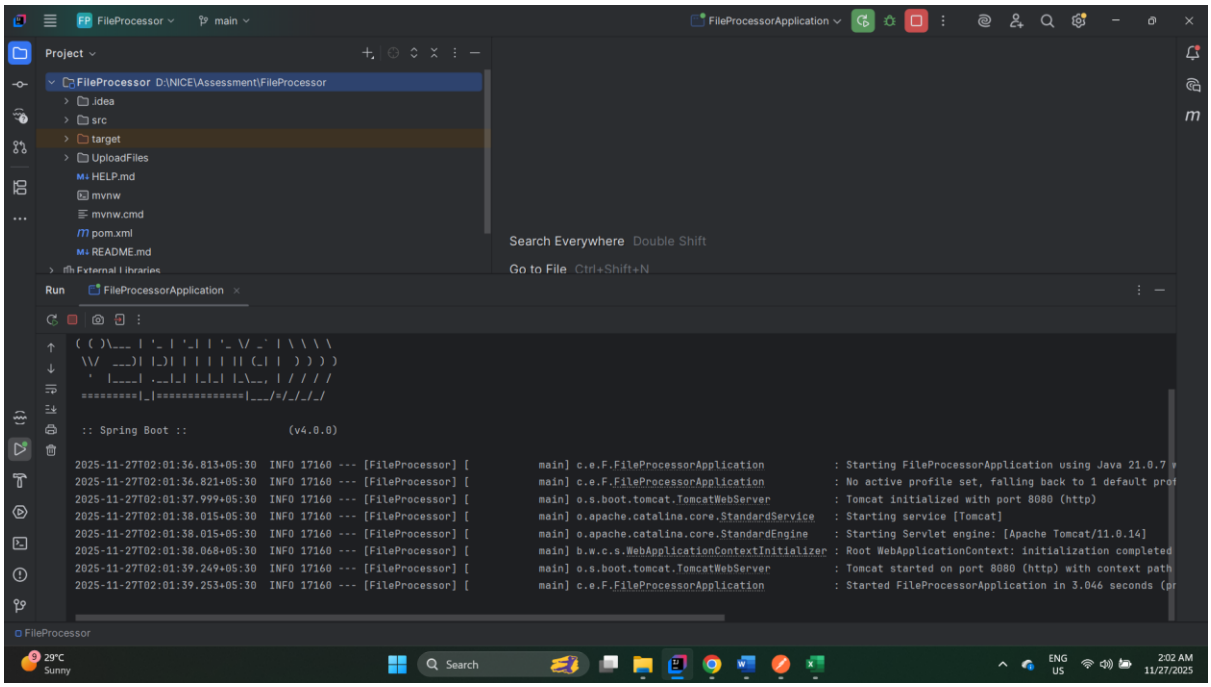


If File is not send then throwing 400 bad request -with message provide correct file



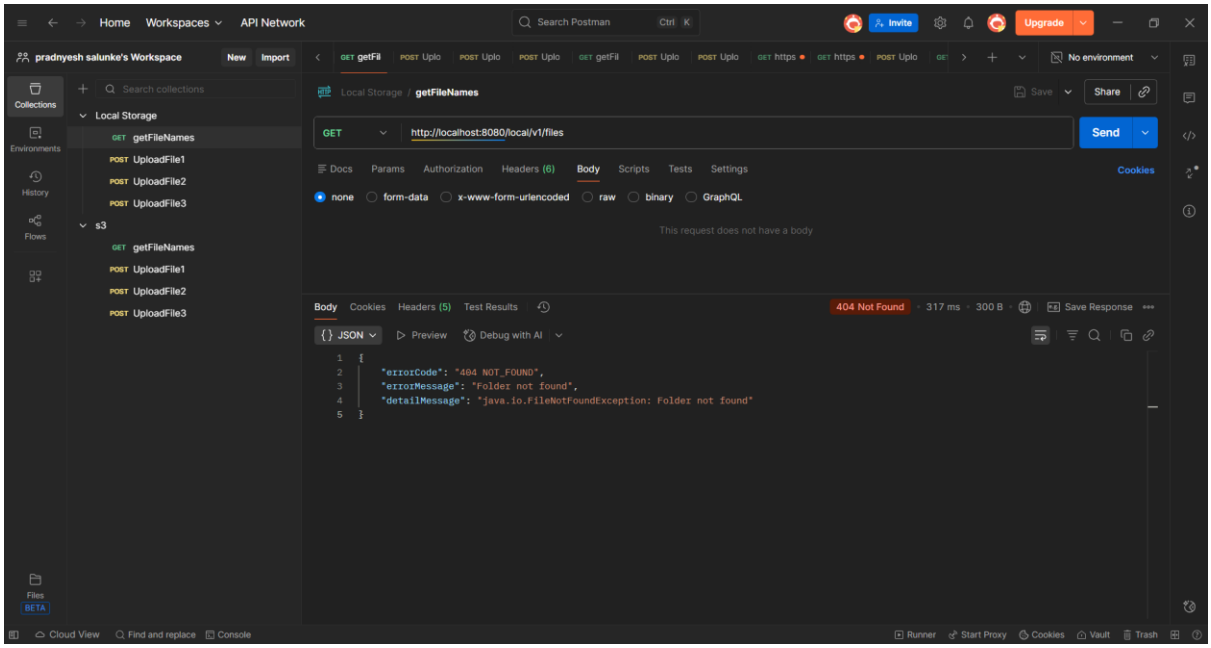
Local Storage Endpoints -

Before local storage endpoint hit-
there is no folder name files



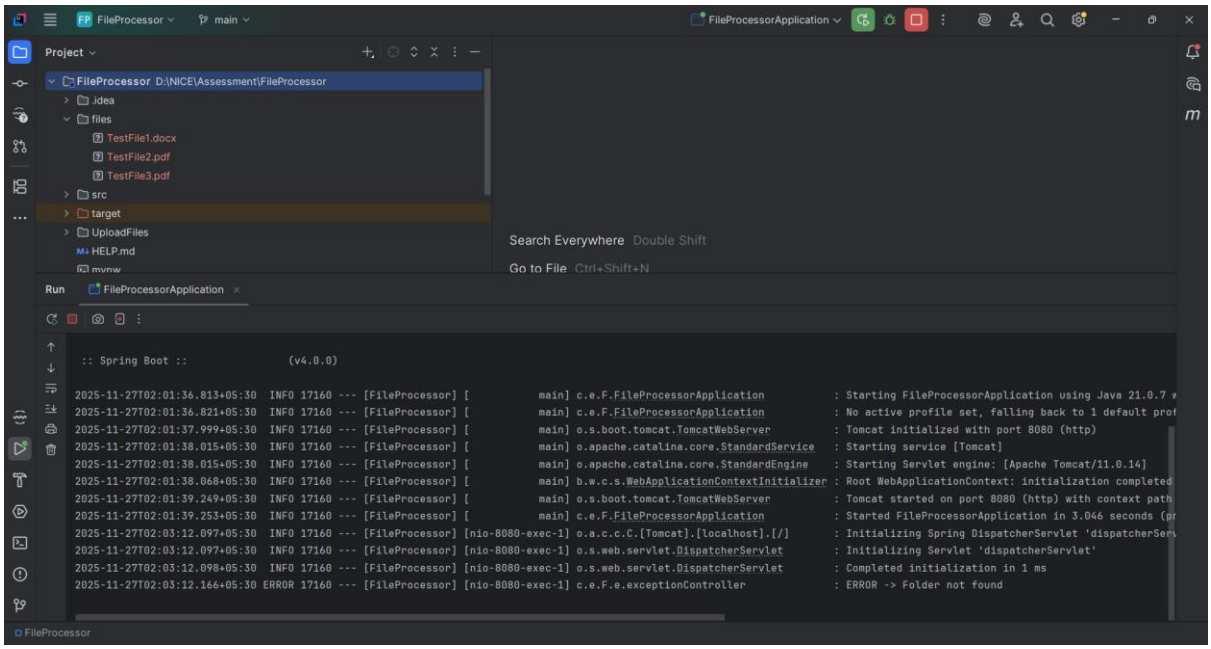
Testing get file for local – and as expected throw exception

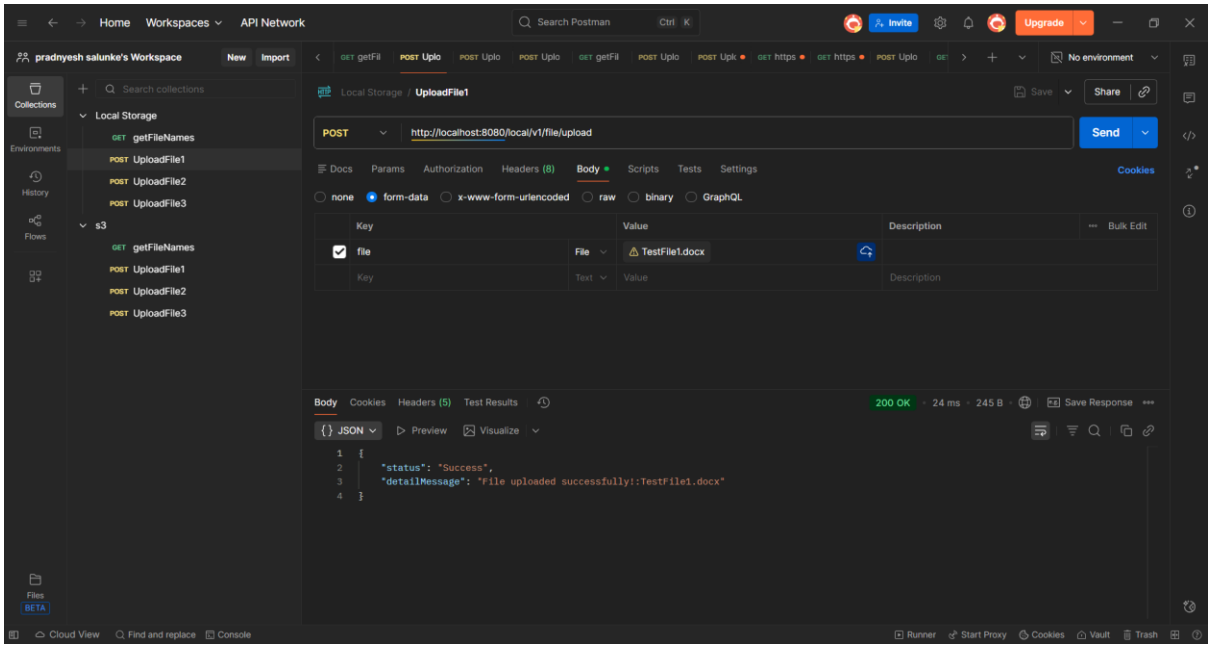
url -GET - http://localhost:8080/local/v1/files



Post – upload -
copied the file into local storage by creating new folder name as files

http://localhost:8080/local/v1/file/upload




Home
Workspaces
API Network
Search Postman
Invite
Upgrade
pradnyesh salunke's Workspace
New
Import
No environment
Collections
Environments
History
Flows
Files
BETA
Search collections
Local Storage
GET getFileNames
POST UploadFile1
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File
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Cookies
Headers (5)
Test Results
200 OK
24 ms
245 B
Save Response
JSON
Preview
Visualize
{
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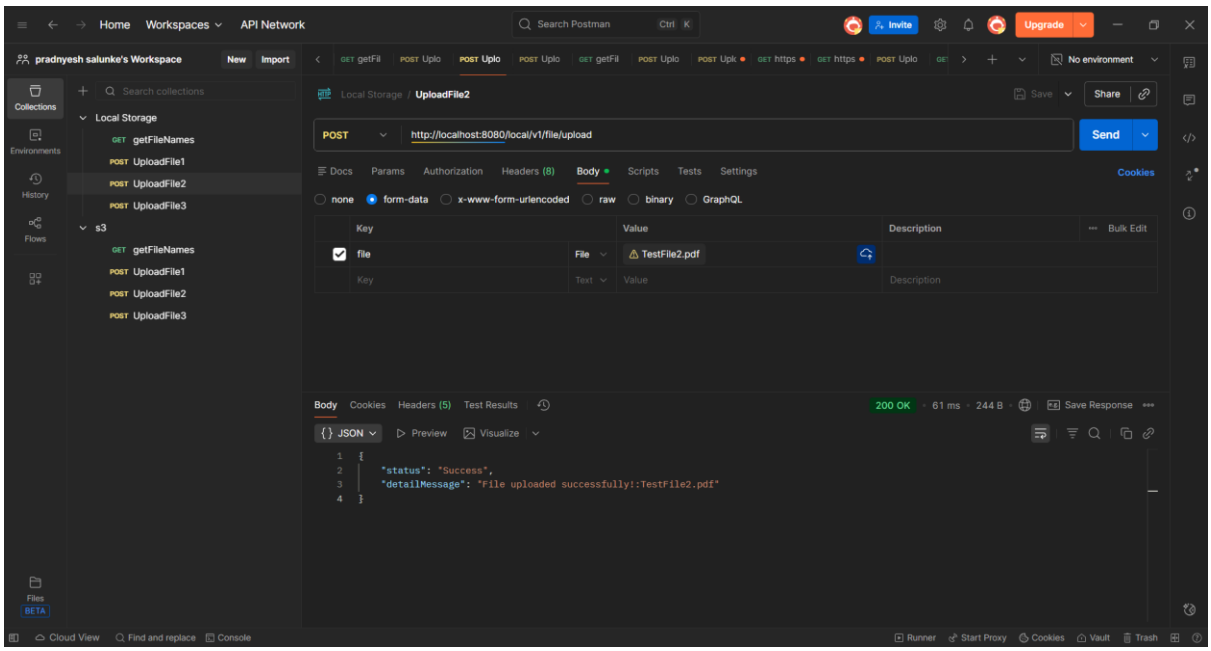
Cloud View
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash


Home
Workspaces
API Network
Search Postman
Invite
Upgrade
pradnyesh salunke's Workspace
New
Import
No environment
Collections
Environments
History
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Description
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Cookies
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Test Results
200 OK
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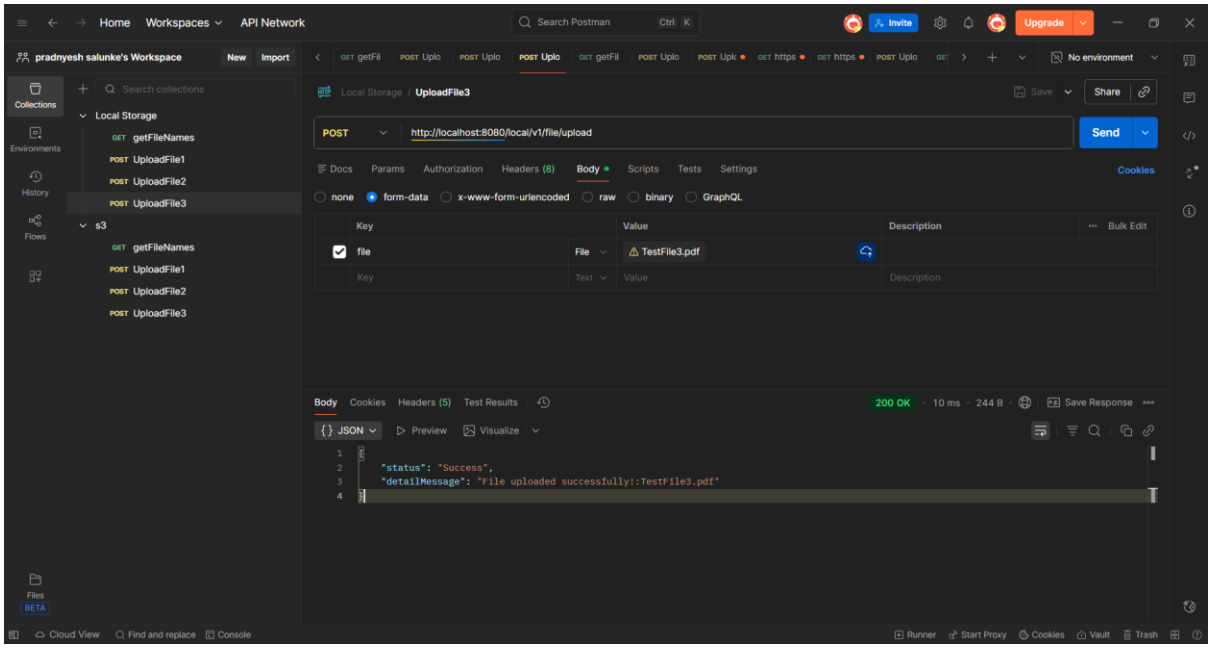
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash


Home
Workspaces
API Network
Search Postman
Invite
Upgrade
pradnyesh salunke's Workspace
New
Import
No environment
Collections
Environments
History
Flows
Files
BETA
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Local Storage
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Save
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Docs
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Tests
Settings
Cookies
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244 B
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Preview
Visualize
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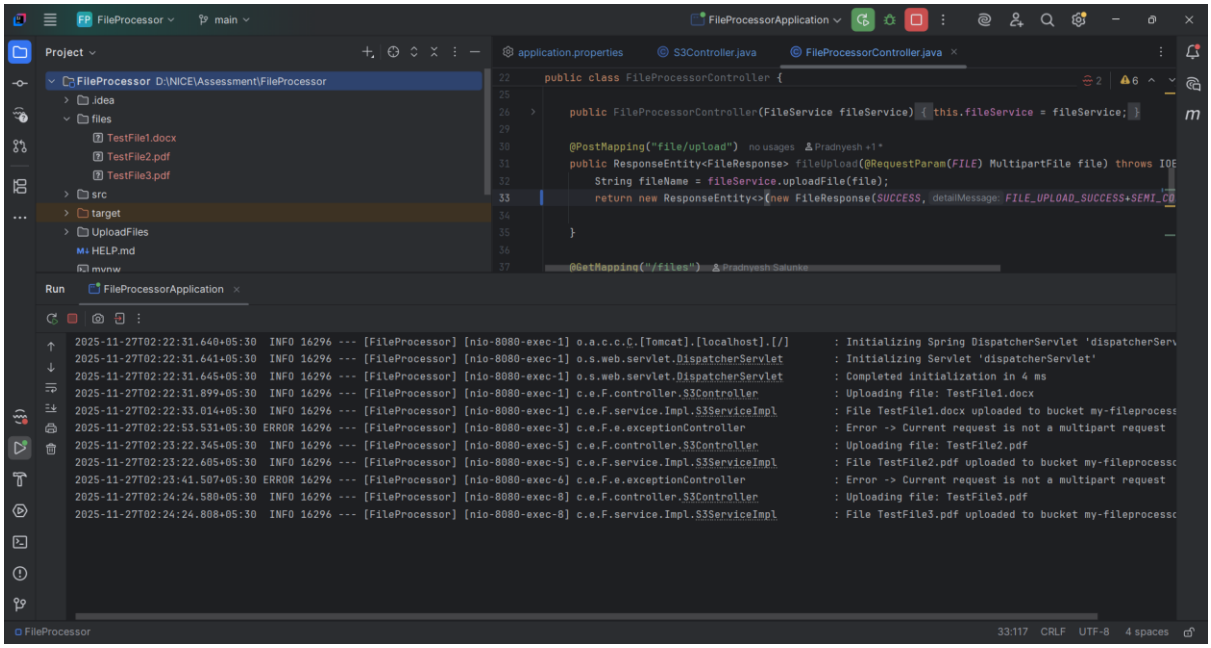
}
Cloud View
Find and replace
Console
Runner
Start Proxy
Cookies
Vault
Trash


FileProcessor
main
FileProcessorApplication
Project
FileProcessor D:\NICE\Assessment\FileProcessor
.idea
files
TestFile1.docx
TestFile2.pdf
TestFile3.pdf
src
target
UploadFiles
HELP.md
mvnw
application.properties
S3Controller.java
FileProcessorController.java
public class FileProcessorController {
public FileProcessorController(FileService fileService) { this.fileService = fileService; }
@PostMapping("file/upload") no usages Pradnyesh +1*
public ResponseEntity<FileResponse> fileUpload(@RequestParam(FILE) MultipartFile file) throws IOE
String fileName = fileService.uploadFile(file);
return new ResponseEntity<>(new FileResponse(SUCCESS, detailMessage: FILE_UPLOAD_SUCCESS+SEMI_C
}
@GetMapping("/files") Pradnyesh Salunke
Run
FileProcessorApplication
2025-11-27T02:22:31.640+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServ
2025-11-27T02:22:31.641+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2025-11-27T02:22:31.645+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 4 ms
2025-11-27T02:22:31.899+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-1] c.e.F.controller.S3Controller : Uploading file: TestFile1.docx
2025-11-27T02:22:33.014+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-1] c.e.F.service.Impl.S3ServiceImpl : File TestFile1.docx uploaded to bucket my-fileprocess
2025-11-27T02:22:53.531+05:30 ERROR 16296 --- [FileProcessor] [nio-8080-exec-3] c.e.F.e.exceptionController : Error -> Current request is not a multipart request
2025-11-27T02:23:22.345+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-5] c.e.F.controller.S3Controller : Uploading file: TestFile2.pdf
2025-11-27T02:23:22.605+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-5] c.e.F.service.Impl.S3ServiceImpl : File TestFile2.pdf uploaded to bucket my-fileprocessc
2025-11-27T02:23:41.507+05:30 ERROR 16296 --- [FileProcessor] [nio-8080-exec-6] c.e.F.e.exceptionController : Error -> Current request is not a multipart request
2025-11-27T02:24:24.580+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-8] c.e.F.controller.S3Controller : Uploading file: TestFile3.pdf
2025-11-27T02:24:24.808+05:30 INFO 16296 --- [FileProcessor] [nio-8080-exec-8] c.e.F.service.Impl.S3ServiceImpl : File TestFile3.pdf uploaded to bucket my-fileprocessc
FileProcessor
33:117
CRLF
UTF-8
4 spaces

If same file tried to upload again ,will throw file already exist error.