A PROJECT REPORT

on

"CLOUD MAKER"

submitted by

Mr. Vikas Kushwaha

Seat No :-

in partial fullfillment for the award of the degree

of

BACHELOR OF SCIENCE

in

COMPUTER SCIENCE

under the guidance of

Mrs. Swetha Iyer

Department of Computer Science

VIDYAVARDHINI'S
A. V. COLLEGE OF ARTS, K. M. COLLEGE OF COMMERCE
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VASAI(WEST), PALGHAR-401208, MAHARASHTRA

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which helped us in successfully completing our project work.

Also, I would like to extend our sincere esteems to all staff in laboratory

for their timely support.

By **Vikas Kushwaha**,

T.Y.BSc (Computer Science)

DECLARATION

I **Vikas Kushwaha** hereby declare that,

The project entitled **"CLOUD MAKER"** submitted in the partial fulfillment for the award of Bachelor of Science in Computer Science during the academic year **2023 - 2024** is my original work and the project has not formed the basis for the award of any degree, associate ship, fellowhip or any other similar titles.

Signature of the Student:

Place:

Date:

PLAGARISM REPORT

GANTT CHART

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LIMITATIONS OF CURRENT SYSTEM

ADVANTAGES OF PRUPOSED SYSTEM

FEASABILITY STUDY

REQUIREMENT SPECIFICATION

1. **Hardware Requirements:**

   For Endpoint Server,

   - Rasberry PI Model B+ or newer
   - 16GB Memory Card
   - External Storage Drives of User Preferred Size

   For Client Device,

   - Connection to Endpoint Rasberry Pi Server (LAN / WAN)

2. **Software Requirements:**

   For Endpoint Server,

   - OS: Debian Raspi Linux
   - Shell: Bash
   - Programming Language: Go

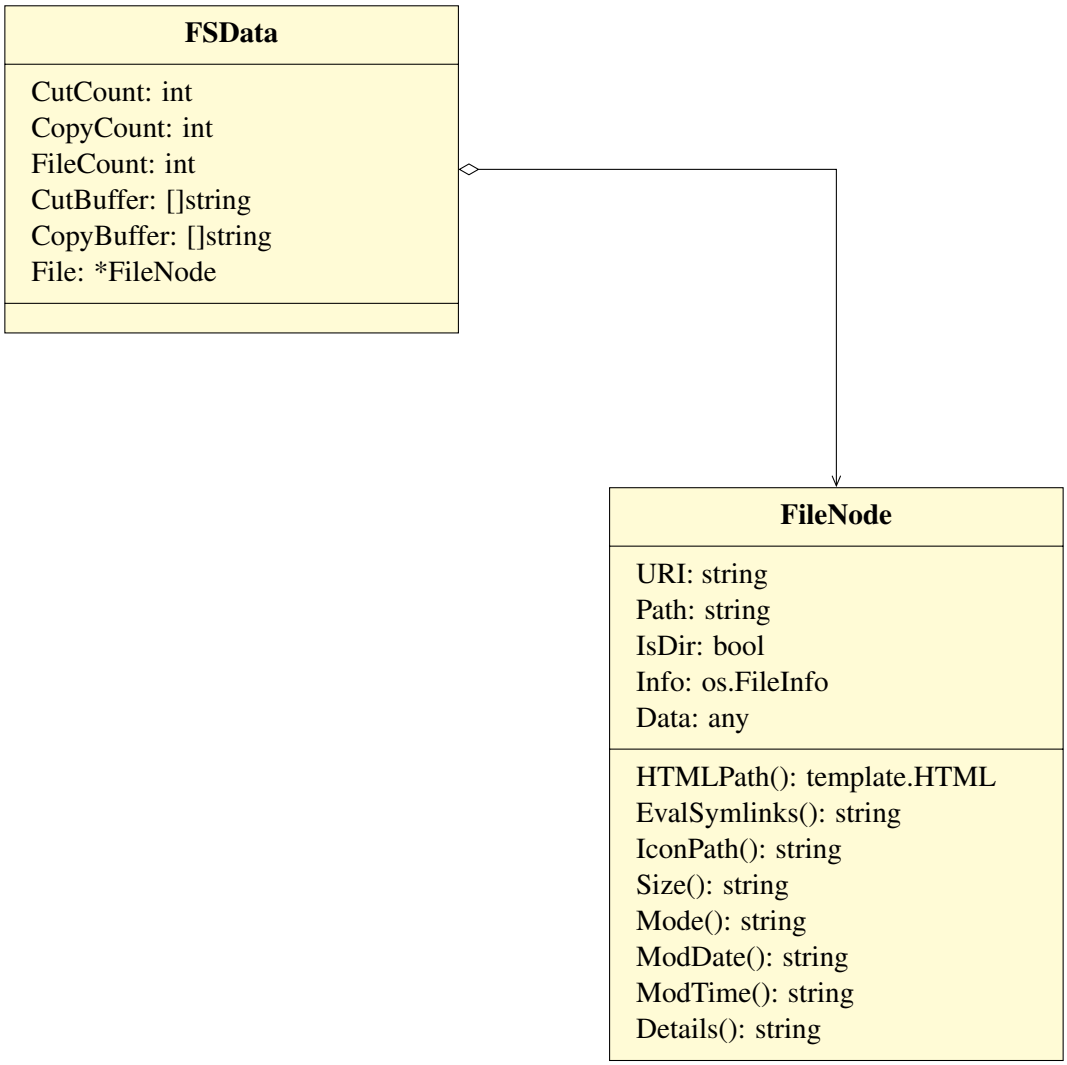
   For Client Device,

   - Any OS with latest Web Browser

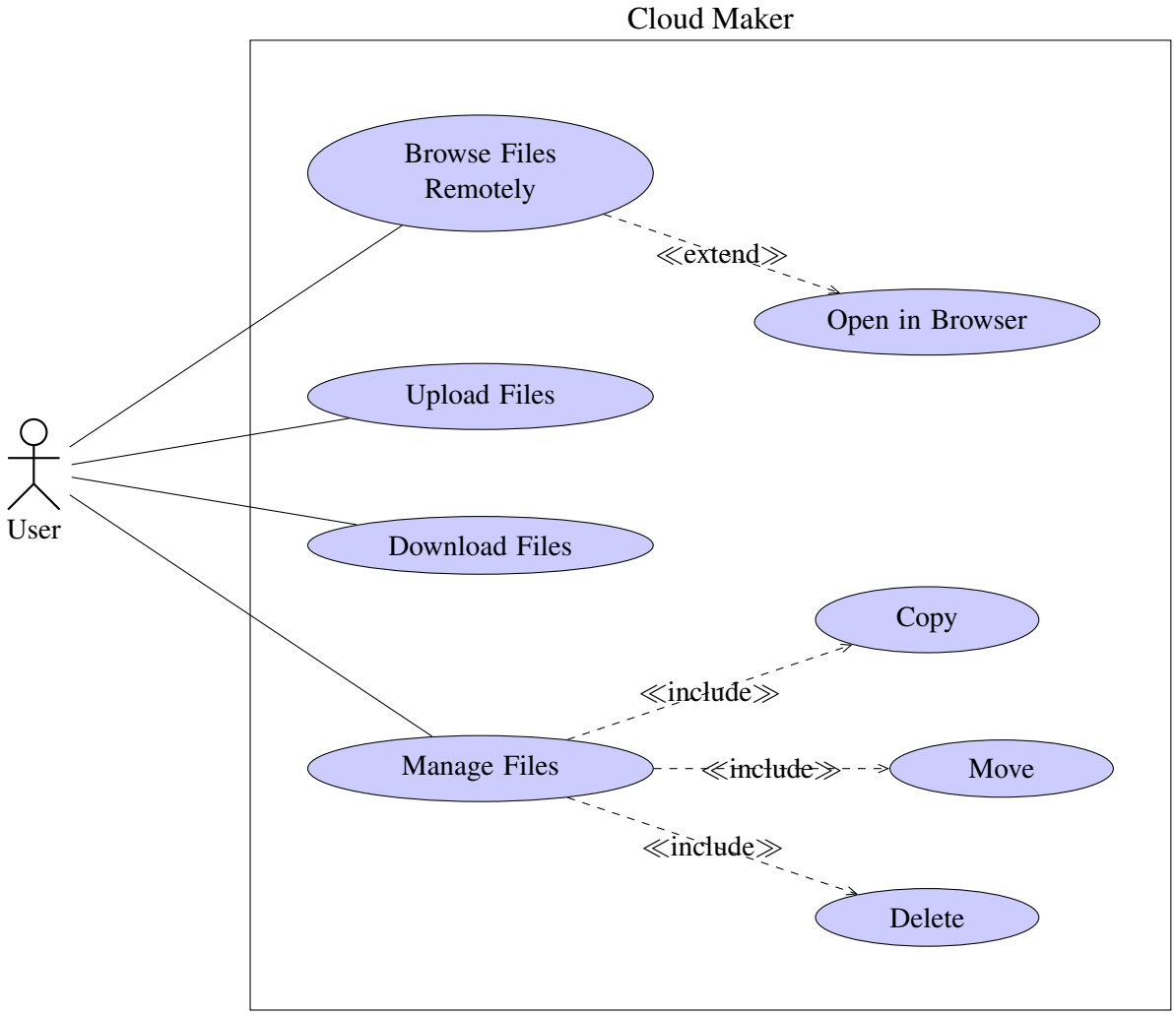
EVENT TABLE

Event	Trigger	Source	Activity	Response	Destination
Cut Files	User clicks on Cut Button	User	Files are added to Cut Buffer	Files in Cut Buffer	Endpoint Server
Copy Files	User clicks on Copy Button	User	Files are added to Copy Buffer	Files in Copy Buffer	Endpoint Server
Paste from Cut Buffer	User clicks on Paste button	User	Files are moved from Cut Buffer	Files Moved	Endpoint Server
Paste from Copy Buffer	User clicks on Paste button	User	Files are copied from Copy Buffer	Files Copied	Endpoint Server
Delete Files	User clicks on Delete Button	User	Selected Files are set to deletion	Confirm Deletion	Endpoint Server
Upload Local Files	User clicks on Upload Button	User	File Browser is opened for selection	User submits files	User
Download Remote Files	Server gets Download Requests	Endpoint Server	Server ZIPs requested file and sends to user	Compressed File recieved	User
Create Folder	User enters New Folder Name	User	New Folder is created on the system	Folder is shown	Endpoint Server

CLASS DIAGRAM

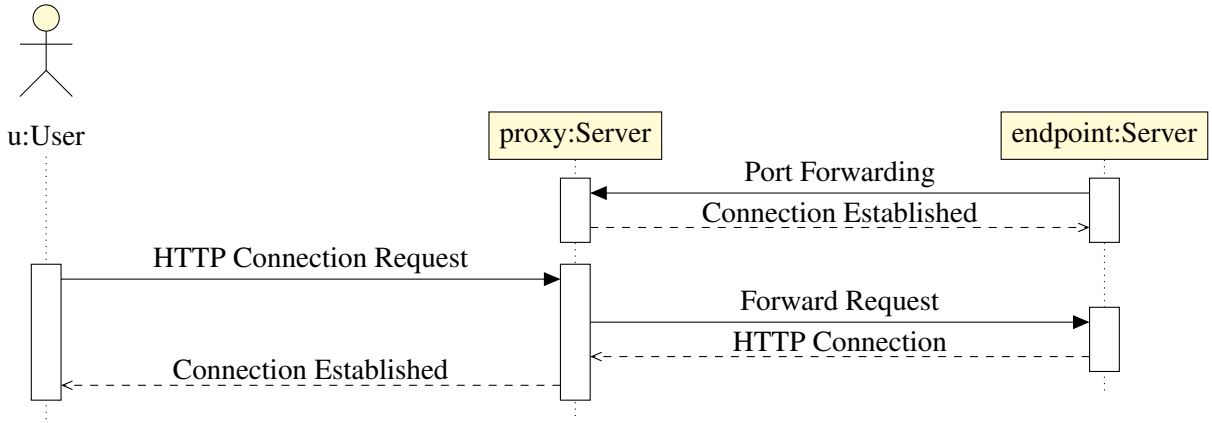


USE CASE DIAGRAM

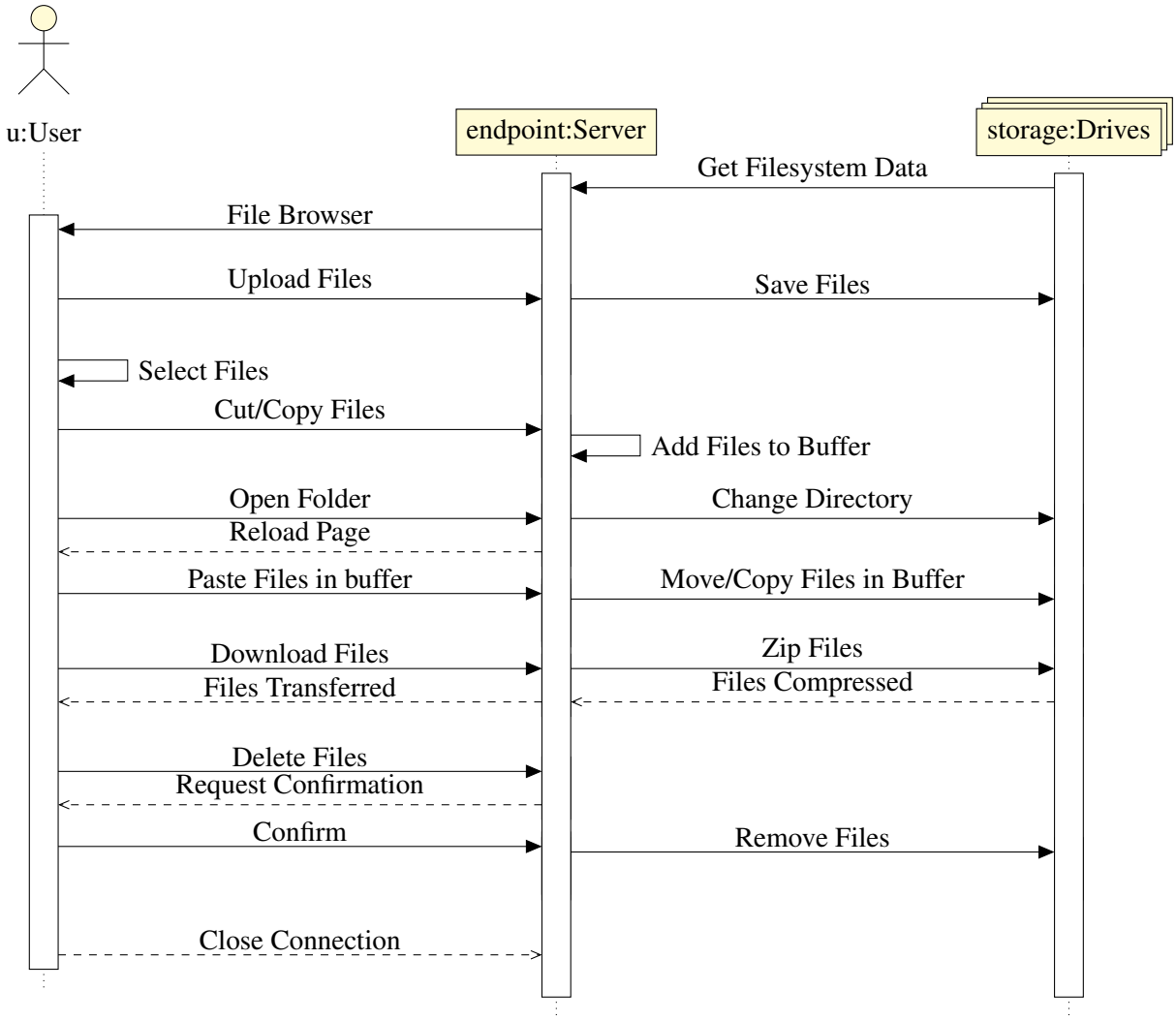


SEQUENCE DIAGRAM

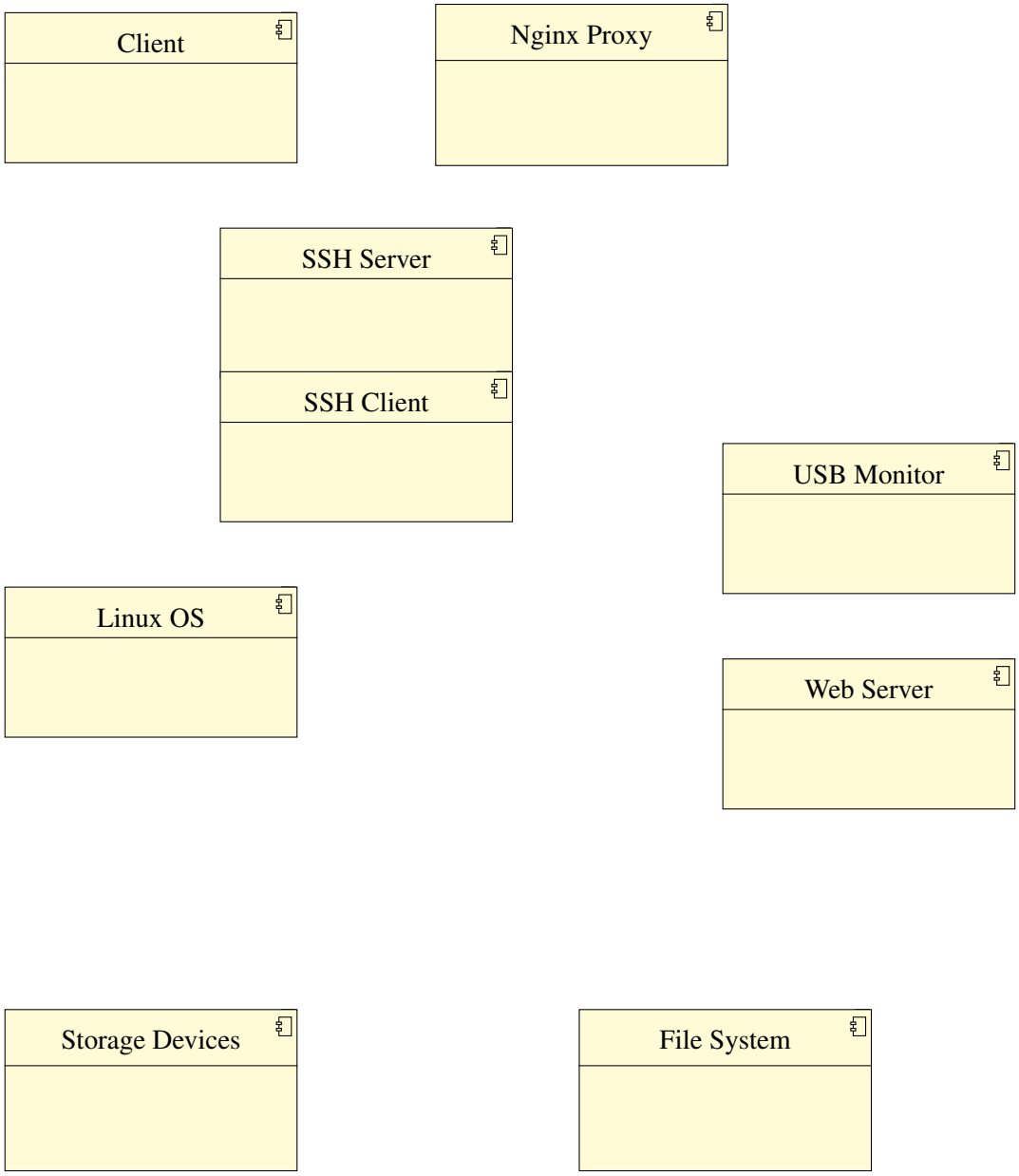
Stage 1: Connect to Cloud Storage



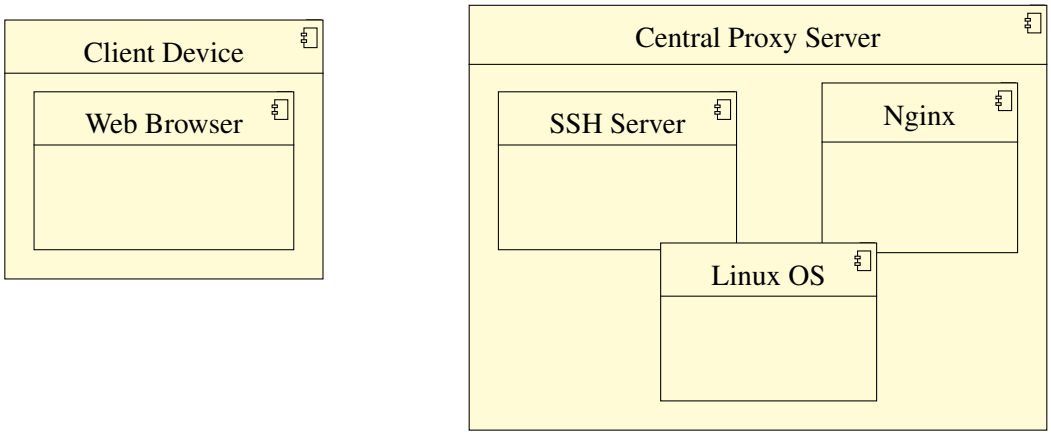
Stage 2: Open Files and perform Actions

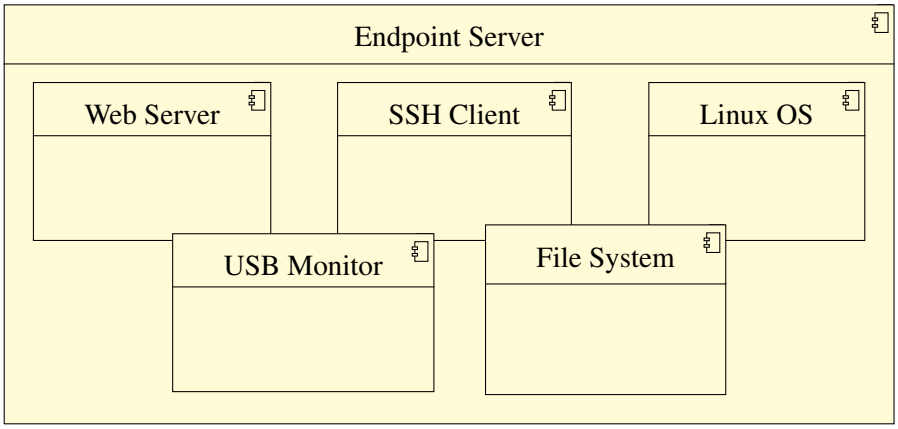


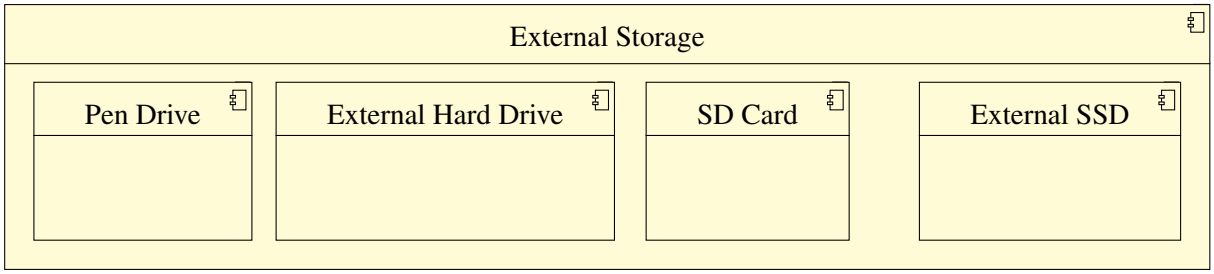
COMPONENT DIAGRAM



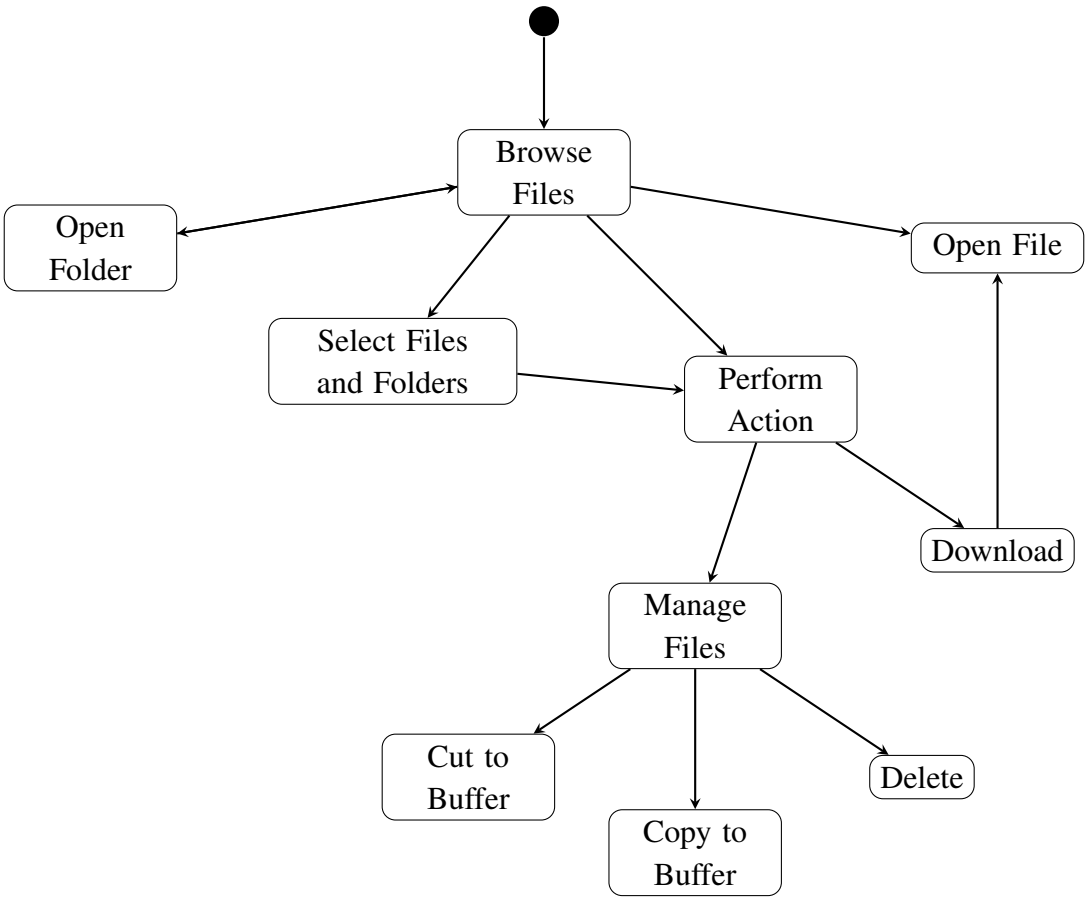
DEPLOYMENT DIAGRAM







ACTIVITY DIAGRAM



DATABASE

Representation of File Metadata in File System.

Attribute	DataType	Size	Retrieval
Name	Chars	255 Bytes	Primary Key
Permissions	Octal	4 Bytes	Not Null
User UID	Integer	4 Bytes	Not Null
Group GID	Integer	4 Bytes	Not Null
Modification Time	Time	4 Bytes	Not Null

SYSTEM IMPLEMENTATION

RESULTS

CONCLUSION

REFERENCES