

- **Team**
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- **Title:** NextBox

- **Project Summary:** NextBox is a cloud based application on the lines of Dropbox, which allows users to manage their files, and share it with others. The system allows the users to manipulate and share files and directories.

- **Project Requirements:**
 1. User Requirements

ID	Actor	Requirement	Priority
UR 01	User	View home directory and navigate filesystem	Critical
UR 02	User	Must be able to create account	Critical
UR 03	User	Change directory structure (creating, deleting, moving, renaming directories)	Critical
UR 04	User	Copy, paste, delete, rename files	Critical
UR 05	User	Upload files	Critical
UR 06	User	Download files	High
UR 07	User	View and edit text file	High
UR 08	User	View photos	High
UR 09	User	Search for file or directory	Medium
UR 10	User	View usage	High
UR 11	User	Change plan	Medium
UR 12	User	Share file with another user	Medium
UR 13	User	View and pay bill	Medium
UR 14	User	Add a credit card	Medium
UR 15	Admin	Create users	High

UR 16	Admin	Change the activation status	Critical
UR 17	Admin	Modify Plan	Low
UR 18	Admin	Create a plan (change per month rate and space)	Low

2. Business Requirements

ID	Actor	Description	Priority
BR1	Billing System	Update bill monthly based on usage	Medium
BR2	Billing System	Warn and do not allow the user in case they exceed the usage	Medium

3. Non-Functional Requirements

ID	Actor	Description	Priority
NFR1	System	Prohibit escalation of privilege	Critical
NFR2	System	Support at least 100 user accounts	Medium
NFR3	System	Support at least 4 concurrent directory listings/FS tree walks	High
NFR4	System	Run on HTTPS	Nice to Have

- **Use Cases**

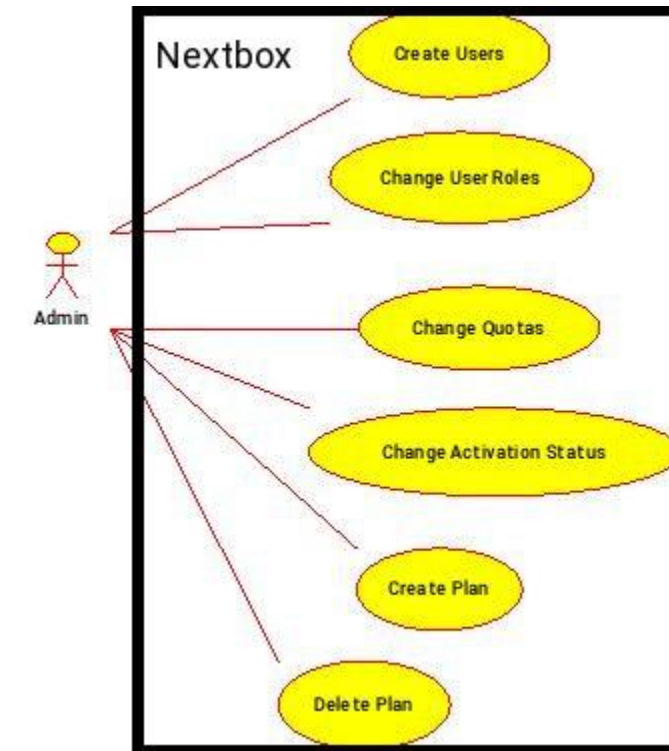
1. Use Case Document

Use Case ID	Actor	Description	Responsible
UC 01	User	Create an account	Anirudh
UC 02	User	Add credit card	Anirudh
UC 03	User	Rename file	Anirudh

UC 04	User	Delete file	Anirudh
UC 05	User	Copy file	Anirudh
UC 06	User	Paste file	Anirudh
UC 07	User	Create directory	Dan
UC 08	User	Delete directory	Dan
UC 09	User	Move directory	Dan
UC 10	User	Rename directory	Dan
UC 11	User	Upload file	Saurabh
UC 12	User	Download files	Sneha
UC 13	User	View text file	Sneha
UC 14	User	View photo	Dan
UC 15	User	Search for file or directory	Sneha
UC 16	User	See account usage	Sneha
UC 17	User	Change plan	Dan
UC 18	User	Share file	Saurabh
UC 19	User	Check bill	Saurabh
UC 20	Admin	Create user	Dan
UC 21	Admin	Change activation status	Sneha
UC 22	Admin	Create plan	Saurabh
UC 23	Admin	Modify plan	Saurabh
UC 24	User	Edit text file	Sneha

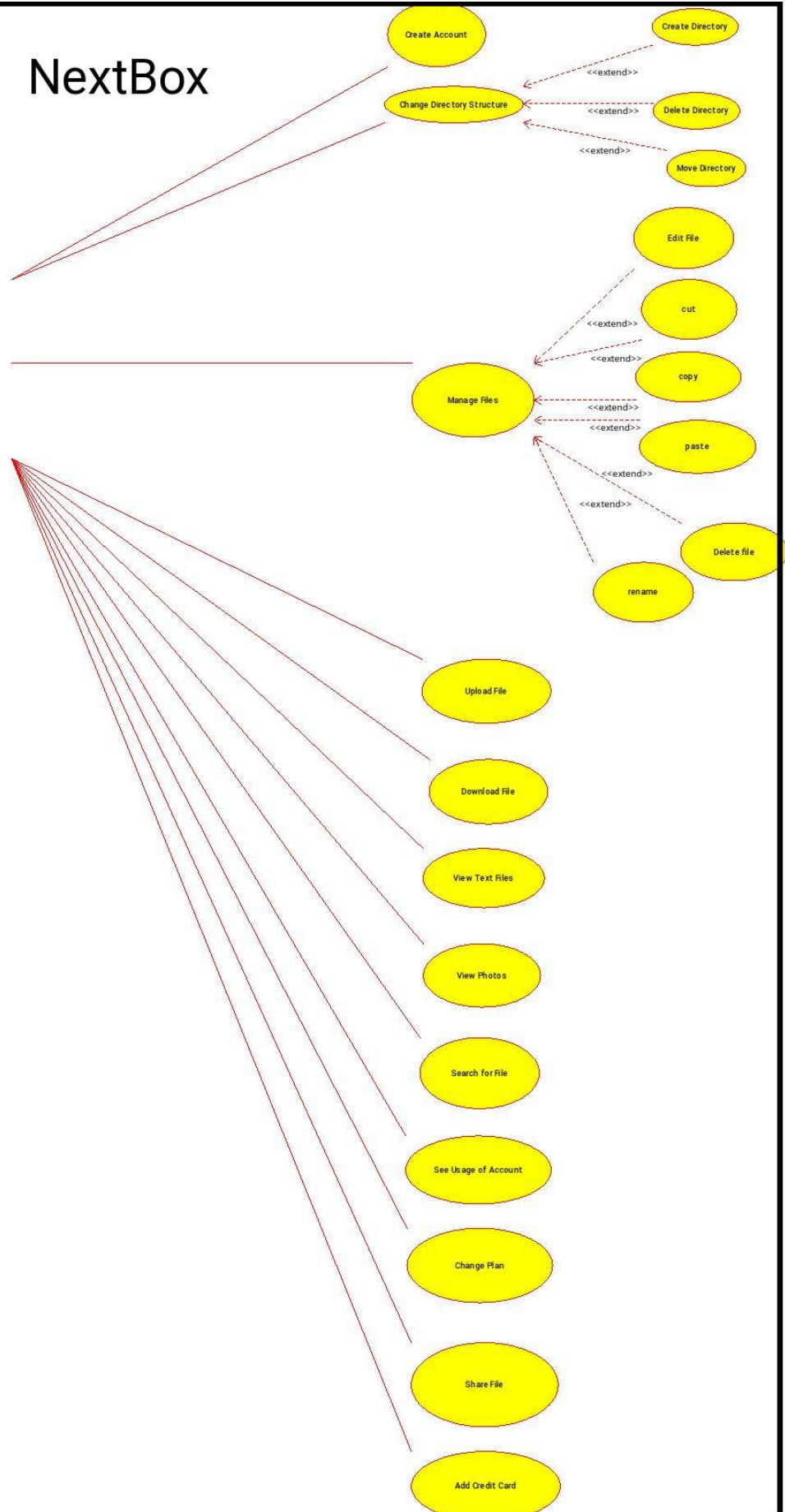
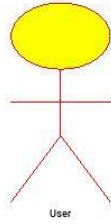
2. Use Case Diagram

a. Admin Use Case Diagram:



b. User Use Case Diagram

NextBox



- UI Mockup

SCREEN 1
[LANDING PAGE]

NextBox

SIGN IN

SIGN UP

SCREEN 2
ACCOUNT CREATION

NextBox > SIGN UP

First Name

Last Name

email

Username

Plan

ENTER

SIGN UP

SCREEN 3
SIGN IN

NextBox > SIGN IN

Username

ENTER

SIGN IN

SCREEN 4
[HOME PAGE FOR NORMAL USER]

NextBox > Home Logout

CURRENT PATH: /home/

VIEW

DOWNLOAD

RENAME

COPY

PASTE

DELETE

SHARE

SCREEN 5
[CHANGE PLAN]

NextBox > Home > Billing

CURRENT PLAN:

<xyz \$ per month>

SELECT PLAN:

abc \$ PM

xyz \$ PM

:

CONFIRM SELECTION

SCREEN 6
[VIEW PLAN USAGE]

NextBox > Home > Usage

Available space: <X GB>

Used space: <Y GB>

Remaining space: <Z GB>

SCREEN 7
[VIEW BILL]

NextBox > Home > Billing

CURRENT PLAN:

<xyz \$ per month>

AMOUNT DUE:

X \$

DUE DATE

<mm-dd-yyyy>

SCREEN 8
[ADMIN LANDING PAGE]

NextBox > Admin Home Logout

Create user

CHANGE USER ROLE

CHANGE USER ACTIVATION STATUS

CREATE BILLING PLAN

DELETE BILLING PLAN

SCREEN 9
[ADMIN CHANGE USER ROLE]

NextBox > AdminHome > User

Username:

Role

normal user

admin

CHANGE ROLE

SCREEN 10
[ADMIN CHANGE USER ACTIVATION STATUS]

NextBox > AdminHome > User

Username:

Activation Status

ACTIVE

INACTIVE

CHANGE STATUS

SCREEN 11
[ADMIN CREATE BILLING PLAN]

NextBox > AdminHome > Billing

AMOUNT PER MONTH

:

[USD]

CREATE PLAN

SCREEN 12
[ADMIN DELETE BILLING PLAN]

NextBox > AdminHome > Billing

Plans:

xyz \$ per month

abc \$ per month

:

DELETE PLAN

Data to be stored in it:

- i. User tables (having user account information necessary for login, file mapping paths, payment details)
- ii. Billing information for users
- iii. List of available plans

- **Class Diagram**

