

**Daniel Milroy**

**Project: NextBox**

**Requirements: UR 03, UR 08, UR 11, UR 17**

**Use Case IDs: UC 07-10 (create, delete, move, and rename directory)**

**UC 14 (view photo)**

**UC 17 (change plan)**

**UC 20 (create user)**

**Use Case 1**

<b>Use case ID:</b>	UC 07
<b>Use Case Name:</b>	Create directory
<b>Description:</b>	Unprivileged user must be able to create a directory.

Actors:	User														
Pre-conditions:	User is logged in, has active plan, open file navigator, current working directory is the target directory														
Post-conditions:	User is presented with Create Directory, Delete, Move, Rename buttons														
Frequency of use:	Daily														
Flow of Events:	<table><tr><th>#</th><th>Actor Action</th><th>System Response</th></tr><tr><td>1</td><td>Select “Create Directory”</td><td>Display text field for user input</td></tr><tr><td>2</td><td>Type directory name into text field</td><td></td></tr><tr><td>3</td><td>Click “Save” button</td><td>If the directory does not exist in the destination, commit change via Java FS API</td></tr></table>			#	Actor Action	System Response	1	Select “Create Directory”	Display text field for user input	2	Type directory name into text field		3	Click “Save” button	If the directory does not exist in the destination, commit change via Java FS API
#	Actor Action	System Response													
1	Select “Create Directory”	Display text field for user input													
2	Type directory name into text field														
3	Click “Save” button	If the directory does not exist in the destination, commit change via Java FS API													
Variations:															
Exceptions:	Directory name already exists														

<b>Developer Notes:</b>	Integrate with Linux commands
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## Use Case 2

<b>Use case ID:</b>	UC 08
<b>Use Case Name:</b>	Delete directory
<b>Description:</b>	Unprivileged user must be able to delete a directory.

<b>Actors:</b>	User										
<b>Pre-conditions:</b>	User is logged in, has active plan, open file navigator, current working directory is the target directory										
<b>Post-conditions:</b>	User is presented with Create Directory, Delete, Move, Rename buttons										
<b>Frequency of use:</b>	Daily										
<b>Flow of Events:</b>	<table border="1"> <thead> <tr> <th>#</th><th>Actor Action</th><th>System Response</th></tr> </thead> <tbody> <tr> <td>1</td><td>Select "Delete"</td><td></td></tr> <tr> <td>2</td><td>Click "Save" button</td><td>Commit change via Java FS API</td></tr> </tbody> </table>		#	Actor Action	System Response	1	Select "Delete"		2	Click "Save" button	Commit change via Java FS API
#	Actor Action	System Response									
1	Select "Delete"										
2	Click "Save" button	Commit change via Java FS API									
<b>Variations:</b>	Recursively delete contents										
<b>Exceptions:</b>											
<b>Developer Notes:</b>	Integrate with Linux commands										

## Use Case 3

<b>Use case ID:</b>	UC 09
<b>Use Case Name:</b>	Move directory
<b>Description:</b>	Unprivileged user must be able to move a directory.

<b>Actors:</b>	User													
<b>Pre-conditions:</b>	User is logged in, has active plan, open file navigator, current working directory is the target directory													
<b>Post-conditions:</b>	User is presented with Create Directory, Delete, Move, Rename buttons													
<b>Frequency of use:</b>	Daily													
<b>Flow of Events:</b>	<table> <tr> <th>#</th><th>Actor Action</th><th>System Response</th></tr> <tr> <td>1</td><td>Select "Move"</td><td>Display text field for user input</td></tr> <tr> <td>2</td><td>Type new directory path into text field</td><td></td></tr> <tr> <td>3</td><td>Click "Save" button</td><td>If the directory does not exist in the destination, commit change via Java FS API</td></tr> </table>		#	Actor Action	System Response	1	Select "Move"	Display text field for user input	2	Type new directory path into text field		3	Click "Save" button	If the directory does not exist in the destination, commit change via Java FS API
#	Actor Action	System Response												
1	Select "Move"	Display text field for user input												
2	Type new directory path into text field													
3	Click "Save" button	If the directory does not exist in the destination, commit change via Java FS API												
<b>Variations:</b>	Recursively move contents													
<b>Exceptions:</b>	Directory name already exists at target													
<b>Developer Notes:</b>	Integrate with Linux commands													

#### Use Case 4

<b>Use case ID:</b>	UC 10
<b>Use Case Name:</b>	Rename directory
<b>Description:</b>	Unprivileged user must be able to rename a directory.

<b>Actors:</b>	User
<b>Pre-conditions:</b>	User is logged in, has active plan, open file navigator, current working directory is the target directory
<b>Post-conditions:</b>	User is presented with Create Directory, Delete, Move, Rename buttons

<b>Frequency of use:</b>	Daily													
<b>Flow of Events:</b>	<table> <tr> <th>#</th><th>Actor Action</th><th>System Response</th></tr> <tr> <td>1</td><td>Select "Rename"</td><td>Display text field for user input</td></tr> <tr> <td>2</td><td>Type new directory name into text field</td><td></td></tr> <tr> <td>3</td><td>Click "Save" button</td><td>If the directory does not exist in the destination, commit change via Java FS API</td></tr> </table>		#	Actor Action	System Response	1	Select "Rename"	Display text field for user input	2	Type new directory name into text field		3	Click "Save" button	If the directory does not exist in the destination, commit change via Java FS API
#	Actor Action	System Response												
1	Select "Rename"	Display text field for user input												
2	Type new directory name into text field													
3	Click "Save" button	If the directory does not exist in the destination, commit change via Java FS API												
<b>Variations:</b>														
<b>Exceptions:</b>	Directory name already exists													
<b>Developer Notes:</b>	Integrate with Linux commands													

## Use Case 5

<b>Use case ID:</b>	UC 14
<b>Use Case Name:</b>	View photo
<b>Description:</b>	Unprivileged user must be able to view a photo.

<b>Actors:</b>	User										
<b>Pre-conditions:</b>	User is logged in, has active plan, open file navigator, current working directory is the target directory										
<b>Post-conditions:</b>	User can view the photo in a view window										
<b>Frequency of use:</b>	Daily										
<b>Flow of Events:</b>	<table> <tr> <th>#</th><th>Actor Action</th><th>System Response</th></tr> <tr> <td>1</td><td>Select file</td><td></td></tr> <tr> <td>2</td><td>Click "View Photo" button</td><td>Check if compatible photo, if so,</td></tr> </table>		#	Actor Action	System Response	1	Select file		2	Click "View Photo" button	Check if compatible photo, if so,
#	Actor Action	System Response									
1	Select file										
2	Click "View Photo" button	Check if compatible photo, if so,									

	<table border="1"> <tr> <td></td><td>open in photo view window</td></tr> </table>		open in photo view window
	open in photo view window		
<b>Variations:</b>			
<b>Exceptions:</b>	Incompatible file type		
<b>Developer Notes:</b>	.png, .jpg, .pdf		

## Use Case 6

<b>Use case ID:</b>	UC 17
<b>Use Case Name:</b>	Change plan
<b>Description:</b>	Unprivileged user must be able to change plan.

Actors:	User														
Pre-conditions:	User is logged in, has active plan, open file navigator, current working directory is the user’s home directory														
Post-conditions:	User can upload more files														
Frequency of use:	Monthly														
Flow of Events:	<table><thead><tr><th>#</th><th>Actor Action</th><th>System Response</th></tr></thead><tbody><tr><td>1</td><td>Click on “Change Plan” button</td><td>Navigate to new view</td></tr><tr><td>2</td><td>Select plan</td><td></td></tr><tr><td>3</td><td>Click “Confirm Selection” button</td><td>Commit new plan to DB</td></tr></tbody></table>			#	Actor Action	System Response	1	Click on “Change Plan” button	Navigate to new view	2	Select plan		3	Click “Confirm Selection” button	Commit new plan to DB
#	Actor Action	System Response													
1	Click on “Change Plan” button	Navigate to new view													
2	Select plan														
3	Click “Confirm Selection” button	Commit new plan to DB													
Variations:															
Exceptions:															
Developer Notes:															

## Use Case 7

<b>Use case ID:</b>	UC 20
<b>Use Case Name:</b>	Create user
<b>Description:</b>	Admin user must be able to create user.

Actors:	Admin														
Pre-conditions:	Admin is logged in, open navigator														
Post-conditions:	New user exists														
Frequency of use:	Weekly														
Flow of Events:	<table><tr><th>#</th><th>Actor Action</th><th>System Response</th></tr><tr><td>1</td><td>Click on “Create User” button</td><td>Navigate to new view</td></tr><tr><td>2</td><td>Input username</td><td></td></tr><tr><td>3</td><td>Click “Confirm” button</td><td>Check if username exists, if not, create</td></tr></table>			#	Actor Action	System Response	1	Click on “Create User” button	Navigate to new view	2	Input username		3	Click “Confirm” button	Check if username exists, if not, create
#	Actor Action	System Response													
1	Click on “Create User” button	Navigate to new view													
2	Input username														
3	Click “Confirm” button	Check if username exists, if not, create													
Variations:															
Exceptions:	User already exists														
Developer Notes:															

ACTIVITY DIAGRAM,  
REQUIREMENT ID UR03, USE  
CASES UC 07-10:  
MODIFY DIRECTORY STRUCTURE

Daniel Milroy









