Use Case Name: Login	
Actor(s)	Admin, User
Precondition	NA
Trigger	New Program Window Opened
Guarantee	That only owner can login into program
Description	When the program is first run, user is requested to login for safety reasons.
Data	Text (Password)
Response	• Success: Load program main page • Failure: Error message • Open "Get Help?" Window
Comments (notes)	The "Get Help?" window allows the Admin to enter their passwords to bypass authentication process

Use Case Name: Create Block	
Actor(s)	Admin, User
Precondition	NA
Trigger	Clicking "Create New Block" Button
Guarantee	Block has a name
Description	Create new Block implementation window. First page of creating a new Block: Naming A Block consists of multiple other use-cases and pages: • Create whitelist • Create blacklist • Create application list • Set lock
Data	Text
Response	• Proceed: Move to create blacklist page • Cancel: close new Block implementation window
Comments (notes)	Ensures that the new Block has a name. Won't proceed otherwise.

Use Case Name: Create Blacklist	
Actor(s)	Admin, User
Precondition	Block Name has been set
Trigger	Click "Proceed" on set Block Name page
Guarantee	NA
Description	Sets a blacklist of website URLs.
Data	Text (website URLs)
Response	• Back: Return to set Block Name page • Proceed: Move to create whitelist page • Cancel: close new Block implementation window
Comments (notes)	Typing * in the field will blacklist ALL website URLs

Use Case Name: Create Whitelist	
Actor(s)	Admin, User
Precondition	• Block Name has been set • Does not conflict with Blacklist of different Block (otherwise ignore)
Trigger	Click "Proceed" on create Blacklist page
Guarantee	NA
Description	Sets a Whitelist of website URLs.
Data	Text (website URLs)
Response	• Back: Return to create Blacklist page • Proceed: Move to create Application list page • Cancel: close new Block implementation window
Comments (notes)	Typing * in the field will whitelist ALL website URLs

Use Case Name: Create Application list	
Actor(s)	Admin, User
Precondition	Block Name has been set
Trigger	Click "Proceed" on create Whitelist page
Guarantee	NA
Description	Sets a list of Applications the user wants to block
Data	Text (software name)
Response	• Back: Return to create Whitelist page • Proceed: Move to set Lock page • Cancel: close new Block implementation window
Comments (notes)	NA

Use Case Name: Set Lock	
Actor(s)	Admin, User
Precondition	Block Name has been set
Trigger	Click "Proceed" on create Application list page
Guarantee	NA
Description	Sets a Lock Type
Data	• Text (Name of Lock Type) • Radio Button (select Lock Type from choices)??

Response	• Opens new Lock Type Window depending on user input
	• Back: Return to create create Application list page
	• Save:
	  ➢ Creates new Block object with all Block details
	  ➢ Displays new Block on main page
	• Cancel: close new Block implementation window

Comments (notes)	A Lock ensures that the Block is safe from edits while it is running

Use Case Name: Set Lock Type "Password"	
Actor(s)	Admin, User
Precondition	• Block Name has been set • User selected "Password" in setting lock type
Trigger	User selected "Password" in setting lock type
Guarantee	That Block is Locked using Password
Description	Lets user define a Password to Lock the Block
Data	• Enter new Password • Verify Password
Response	• OK: Save Lock type and return to set Lock page • Cancel: Terminate Lock type window without saving and return to set Lock page
Comments (notes)	NA

Use Case Name: Set Lock Type "Time Range"	
Actor(s)	Admin, User
Precondition	• Block Name has been set • User selected "Time Range" in setting lock type
Trigger	• User selected "Time Range" in setting lock type • Clicked on proceed while setting Deadlock
Guarantee	That Block is Locked using Time Range
Description	Lets user define a Time Range to Lock the Block
Data	• Start time • End time
Response	• OK: Save Lock type and return to set Lock page • Cancel: Terminate Lock type window without saving and return to set Lock page
Comments (notes)	NA

Use Case Name: Set Lock Type "Daily Limit"

Actor(s)	Admin, User
Precondition	• Block Name has been set • User selected "Daily Limit" in setting lock type
Trigger	User selected "Daily Limit" in setting lock type
Guarantee	That Block is Locked using Daily Limit
Description	Lets user define a Daily Limit to Lock the Block
Data	• Time measure (hours/minutes) • Amount (e.g. 7 hrs)
Response	• OK: Save Lock type and return to set Lock page • Cancel: Terminate Lock type window without saving and return to set Lock page
Comments (notes)	NA

Use Case Name: Get Help Window

Actor(s)	Admin
Precondition	NA
Trigger	Clicking "Get Help?" on any page that requires authentication of some sort
Guarantee	Admin can bypass authentication
Description	Allows the Admin to bypass authentication by typing 2 of 4 passwords correctly
Data	4 Text fields - (Passwords)
Response	• Authorized: Bypass authentication • Unauthorized Error
Comments (notes)	NA

Use Case Name: Create Deadlock	
Actor(s)	Admin, User
Precondition	NA
Trigger	Click "Create New Deadlock" on main page
Guarantee	Deadlock is named
Description	• Create new Deadlock implementation window • First page of window: Naming
Data	Text (Name)

Response	• Proceed: Opens new Lock type Time Range window
	• Cancel: close new Deadlock implementation window
	• Save:
	  ➢ Creates new Deadlock object with relevant details
	  ➢ Displays new Deadlock on main page

Comments (notes)	A Deadlock blocks the entire device for a specified time

Use Case Name: Edit Current Blocks	
Actor(s)	Admin, User
Precondition	Has Authorization
Trigger	Click "Edit Current Blocks" on main page
Guarantee	NA
Description	Allows user to make changes to already implemented Blocks
Data	• Text (Block/Deadlock Name) • Radio Button??
Response	• Start/Stop: change current state of Block • Delete: Block • Open Block/Deadlock implementation window
Comments (notes)	NA

Use Case Name: Uninstall Program	
Actor(s)	Admin
Precondition	Has Authorization
Trigger	User attempting to uninstall program
Guarantee	Only Admin can uninstall
Description	Implements "Get Help?" automatically
Data	Text (Admin Passwords)
Response	• Authorized → uninstall program • Error → Not Authorized
Comments (notes)	NA

<u>**Use-Case???**</u>

Use Case Name: Check Authorization	
Actor(s)	Admin, User
Precondition	NA
Trigger	User attempting to make changes to an existing Block
Guarantee	NA
Description	Checks if the user is authorized to make changes to an existing Block
Data	

Response	Does the following checks in this order:
	isAuthorized == False
	isLocked == True {
	      lockType == Password {
	           open new window requesting user to enter password
	           if passwordIsCorrect {
	                return isAuthorized = True
	           } else {
	                Error
	           }
	      } else if blockIsRunning = True {
	           return isAuthorized
	      } else {
	           return isAuthorized = True
	      }
	}

Comments (notes)	NA