UPLog			
Requirements Traceability Matrix			
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History Revision:			

Revision Date	Person Responsible	Version Number	Modification
11/19/19	Aira Jazel Ang	1.0	Initial Draft, UC 2.0 with expected results
11/19/19	Arian Allenson Valdez	2.0	Add Use Cases, Scenarios, UC 1.0, 1.1, 1.2, 1.3, 1.4, 1.5 with expected results
11/20/19	Bianca Bueno	3.0	Add UC 3.0 - 4.0 with expected results

Use Case No.	Description
UC1.0	Manage Org Description/Items
UC2.0	View Items
UC 3.0	Maintain Org Admin List
UC 4.0	Maintain Borrower List

Scenarios

Use Case No.	Scenario No.	RTM ID	Scenario Description	Priority Status		
UC 1.0	S1	UC1-S1	Admin edits Organization info	Must Have		
UC 1.0	S2	UC1-S2	Admin adds item to the list	Must Have		
UC 1.0	S3	UC1-S3	Admin edits item in the list	Must Have		
UC 1.0	S4	UC1-S4	Admin deletes item in the list	Must Have		
UC1.0	S5	UC1-S5	Admin checks borrowing list	Must Have		
UC1.0	S6	UC1-S6	Admin approves/denies borrowing request	Must Have		
UC1.0	S7	UC1-S7	Invalid Password	Must Have		
UC1.0	S8	UC1-S8	Non-registered user	Should have		
UC1.0	S9	UC1-S9	No database connection	Must Have		
UC1.0	S10	UC1-S10	Invalid Credentials (i.e. not Admin, only borrower)	Must Have		
UC1.1	S1	UC1.1-S1	Invalid: Item already exists.	Should Have		
UC1.1	S2	UC1.1-S2	Successfully added item to the list	Must Have		
UC1.2	S1	UC1.2-S1	Successfuly edited item info	Should Have		
UC1.2	S2	UC1.2-S2	Invalid: Maximum character reached for description	Should Have		
UC1.2	S3	UC1.2-S3	Invalid: Maximum quantity reached	Should Have		
UC1.3	S1	UC1.3-S1	Invalid: Item not existed before deleting	Must Have		
UC1.3	S2	UC1.3-S2	Successfully deleted item	Must Have		
UC1.3	S3	UC1.3-S3	Invalid: Cannot delete item that is not returned	Must Have		
UC1.4	S1	UC1.4-S1	Successfully Borrowed Item	Must Have		
UC1.4	S2	UC1.4-S2	Invalid: Someone already borrowed the item	Must Have		
UC1.4	S2	UC1.4-S2	Invalid: Cannot borrow item owned by own org	Must Have		
UC1.5	S1	UC1.5-S1	Invalid: Maximum Character reached	Should Have		
UC1.5	S2	UC1.5-S2	Invalid: Position already exists	Should Have		
UC 2.0	S1	UC2-S1	Organization has items	Must Have		
UC 2.0	S2	UC2-S2	Organization does not have item needed	Must Have		
UC 2.0	S3	UC2-S3	Item no longer exists	Should Have		
UC 2.0	S4	UC2-S4	No Database Connection	Should Have		
UC 2.0	S5	UC2-S5	Organization has its own information	Should Have		
UC 2.0	S6	UC2-S6	Item has description, quantity and current condition	Must Have		
UC 2.0	S7	UC2-S7	Item has lacking information	Should Have		

UC3.0	S1	UC3-S1	Admin is out of the position already	Could Have		
UC3.0	S2	UC3-S2	Organization does not exists	Could Have		
UC3.0	S3	UC3-S3	Successfully add org admin	Should Have		
UC3.0	S4	UC3-S4	Invalid: User to be added is already org admin of org se	Should Have		
UC4.0	S1	UC4-S1	Borrower has not returned the item	Must Have		
UC4.0	S2	UC4-S2	List displays name of borrower, item borrowed and org	Must Have		
UC4.0	S3	UC4-S3	List displays how long item will be borrowed	Must Have		
UC4.0	S4	UC4-S4	List displays review of previous experiences	Must Have		

Use Case No.	Scenario No.	RTM ID	Scenario Description	User Name Valid	User Password Valid	User is Admin	User Account exists in system
UC 1.0	S1	UC1-S1	Admin edits Organization info	admin	password	yes	yes
UC 1.0	S2	UC1-S2	Admin adds item to the list	admin	password	yes	yes
UC 1.0	S3	UC1-S3	Admin edits item in the list	admin	password	yes	yes
UC 1.0	S4	UC1-S4	Admin deletes item in the list	admin	password	yes	yes
UC1.0	S5	UC1-S5	Admin checks borrowing list	admin	password	yes	yes
UC1.0	S6	UC1-S6	Admin approves/denies borrowing request	admin	password	yes	yes
UC1.0	S7	UC1-S7	Invalid Password	noadmin	nopassword	yes	yes
UC1.0	S8	UC1-S8	Non-registered user	nouser	password	yes	no
UC1.0	S9	UC1-S9	No database connection	noadmin	password	yes	yes
UC1.0	S10	UC1-S10	Invalid Credentials (i.e. not Admin, only borrower)	noadmin	nopassword	no	yes
UC1.1	S1	UC1.1-S1	Invalid: Item already exists.	admin	password	yes	yes
UC1.1	S2	UC1.1-S2	Successfully added item to the list	admin	password	yes	yes
UC1.2	S1	UC1.2-S1	Successfuly edited item info	admin	password	yes	yes
UC1.2	S2	UC1.2-S2	Invalid: Maximum character reached for description	admin	password	yes	yes
UC1.2	S3	UC1.2-S3	Invalid: Maximum quantity reached	admin	password	yes	yes
UC1.3	S1	UC1.3-S1	Invalid: Item not existed before deleting	admin	password	yes	yes
UC1.3	S2	UC1.3-S2	Successfully deleted item	admin	password	yes	yes
UC1.3	S3	UC1.3-S3	Invalid: Cannot delete item that is not returned	admin	password	yes	yes
UC1.4	S1	UC1.4-S1	Successfully Borrowed Item	admin	password	yes	yes
UC1.4	S2	UC1.4-S2	Invalid: Someone already borrowed the item	admin	password	yes	yes
UC1.4	S2	UC1.4-S2	Invalid: Cannot borrow item owned by own org	admin	password	yes	yes
UC1.5	S1	UC1.5-S1	Invalid: Maximum Character reached	admin	password	yes	yes
UC1.5	S2	UC1.5-S2	Invalid: Position already exists	admin	password	yes	yes

Database connection active	Expected Results	
yes	Action confirmation notification displayed	
yes	Display Borrowing List with new item	
yes	Display Borrowing List with edited item	
yes	Display Borrowing List without deleted item	
yes	Display Borrowing List	
yes	Action confirmation notification displayed	
yes	Error Message: Invalid Password	
yes	Error Message: Invalid User Name	
no	Error Message: Timeout	
yes	Error Message: Not Admin	
yes	Error Message: Item already exists	
yes	Display borrowing List with new item	
yes	Display Borrowing List with edited item	
yes	Error Message: Maximum character reached for description	
yes	Error Message: Maximum quantity reached	
yes	Error Message: Item not existed before deleting	
yes	Display Borrowing List without deleted item	
yes	Error Message: Cannot delete item that is not returned	
yes	Display Borrow success notification	
yes	Error Message: Someone already borrowed the item	
yes	Error Message: Cannot borrow item owned by own org	
yes	Error Message: Maximum Character reached	
yes	Error Message: Position already exists	

Use Case No.	Scenario No.	RTM ID	Scenario Description	Item Record	Item Record exists in database
UC 2.0	S1	UC2-S1	Organization has items	Projector (Brand: Epson)	Yes
UC 2.0	S2	UC2-S2	Organization does not have item needed	Projector (Brand: Epson)	No
UC 2.0	S3	UC2-S3	Item no longer exists	No info on Item	No
UC 2.0	S4	UC2-S4	No Database Connection		
UC 2.0	S5	UC2-S5	Organization has its own information	UP Student Council	Yes
UC 2.0	S6	UC2-S6	Item has description, quantity and current condition	Projector: Epson, qty: 1, working	Yes
UC 2.0	S7	UC2-S7	Item has lacking information	Missing description	No

Expected Results
Error Message: Item record already exists.
Confirmation Message: Item record has been added.
Error Message: Item does not exist.
Error Message: No database connection.
Confirmation Message: Successfully Edited Data
Error Message: Item already exists
Error Message: Incomplete data

Use Case No.	Scenario No.	RTM ID	Scenario Description	User/Org Record	User/Org Record exists in database
UC3.0	S1	UC3-S1	Admin is out of the position already	admin	no
UC3.0	S2	UC3-S2	Organization does not exists	UP Council	no
UC3.0	S3	UC3-S3	Successfully add org admin	admin	no
UC3.0	S4	UC3-S4	Invalid: User to be added is already org admin of org selected	admin	yes

Expected Results
Error Message: Admin rights already expired
Error Message: Organization does not exist
Confirmation Message: User has been added as admin
Error Message: User is already an admin

Use Case No.	Scenario No.	RTM ID	Scenario Description	Item Record
UC4.0	S1	UC4-S1	Borrower has not returned the item	Projector (Brand: Epson)
UC4.0	S2	UC4-S2	List displays name of borrower, item borrowed and organization affiliated	Projector (Brand: Epson)
UC4.0	S3	UC4-S3	List displays how long item will be borrowed	Projector (Brand: Epson)
UC4.0	S4	UC4-S4	List displays review of previous experiences	Projector (Brand: Epson)

Item Record exists in database	Expected Results
yes	Display the status of the item
yes	Display Name of borrower, item/s borrowed, and org affiliation
yes	Display the duration of the time the item would be borrowed
yes	Display of previous experiences