CRUD Testing

CRUD Testing		Inventory Page		Warehouse		Admin Users	
		Front	Back	Front	Back	Front	Back
Create	Valid	I3	I13	W4	W7	A1	A10
Create	Invalid	I10	I14	W5	W8	A2	A11
Read	Valid	I1	I11	W2	W9	A8	A12
Read	Invalid	I8	I12	W1	W10	A7	A13
Update	Valid	I5	I15	W3	W11	A5	A14
Update	Invalid	I9	I16	- [1]	W12	A9	A15
Delete	Valid	I7	I17	W6	W13	A6	A16
Delete	Invalid	-	I18	-	W14	-	A17

Transition Matrix

To →	Landing IN	Landing OUT	Signup IN	Signup OUT	Login IN	Login OUT	Home IN	Home OUT	Account IN	Account OUT	Warehouses IN	Warehouses OUT	Item IN	Item OUT
Starting State / From														
Landing	■	■		N1		N1		N1		N1		N1		N1
Signup	N1		■	■		N1		N1		N1		N1		N1
Login	N1		N1		■	■		N1		N1		N1		N1
Home	N1		N1		N1		■	■		N1		N1		N1
Account	N1		N1		N1		N1		■	■		N1		N1
Warehouses	N1		N1		N1		N1		N1		■	■		N1
Item	N1		N1		N1		N1		N1		N1		■	■
Readability														
Usability — Valid				A3										
Usability — Invalid				A4										

Impossible Starting State	(black)
Valid Transition	(green)
Invalid Transition	(pink)

Extra Tests

ID	Purpose	
A18	Ensure that endpoints not intended for production are properly removed.	Security
I2	Ensure form visibility is properly determined.	Usability
I4	Ensure that input fields are visible for items only when the item should be modifiable.	Usability
I6	Ensure that input fields are visible for items only when the item should be modifiable.	Usability

ID	State	Action	btn Signup	btn Login	btn Landing	Signup [pass]	Signup [fail]	Login [pass]	Login [fail]	btn Home	btn Account	btn Warehouse	Btn Update Account	Btn Delete Account	Btn Add Warehouse	Btn Manage Warehouse	Btn Add Item	Btn Update Item	Btn Delete Item	Btn Cancel Item	Btn Confirm Delete Account	Btn Cancel Delete Account
S1	Landing		S2	S3	S1																	
S2	Signup		S2	S3	S1	S3	S2															
S3	Login		S2	S3	S1			S4	S3													
S4	Home									S4	S5	S6										
S5	Account									S4	S5	S6	S5	S8								
S6	Warehouses									S4	S5	S6			S9	S7						
S7	Item									S4	S5	S6					S10	S11	S7			
S8	Deleting Account									S4	S5	S6	S8								S1	S5
S9	Adding Warehouse									S4	S5	S6			S9	S7						
S10	Adding Item									S4	S5	S6					S10	S11	S7			
S11	Updating Item									S4	S5	S6					S10	S7	S7	S7		

ID	State	Action	btn Signup	btn Login	btn Landing	Signup [pass]	Signup [fail]	Login [pass]	Login [fail]	btn Home	btn Account	btn Warehouse	Btn Update Account	Btn Delete Account	Btn Add Warehouse	Btn Manage Warehouse	Btn Add Item	Btn Update Item	Btn Delete Item	Btn Cancel Item	Btn Confirm Delete Account	Btn Cancel Delete Account
S1	Landing		U2	U2	U2																	
S2	Signup		U2	U2	U2	A1	A2															
S3	Login		U2	U2	U2			A3	A4													
S4	Home									U2	U2	U2										
S5	Account									U2	U2	U2	U2	U4								
S6	Warehouses									U2	U2	U2			U4	U2						
S7	Item									U2	U2	U2					U4	U4	U2			
S8	Deleting Account									U3	U3	U3	U5								U3	U3
S9	Adding Warehouse									U3	U3	U3			U5	U3						
S10	Adding Item									U3	U3	U3					U5	U5	U3			
S11	Updating Item									U3	U3	U3					U5	U3	U3	U3		

| | 55 Tests | | 9 | | | | | | | | | | | | | | | | | | | |

[1] Warehouse updating is not supported by the frontend.