

TEST CASE 1: CUSTOMER REGISTER MODULE

Test Case ID: TC_CUSTOMER_REGISTER_001

Test Scenario: Verify customer registration of E-Hydroponics System.

Pre-condition: Customer is not a member of the system.

Post-condition: Customer is a member of the system.

Start Date: 01/01/2018

Finish Date: 01/01/2018

No.	Test Case	Test Steps	Test Data	Example Data	Expected Result
1	Enter name, email address, password, mobile number and address. Requirements: <name> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 50. Must begin with letter. Contain only letter. <email address> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 50. Must begin with letter. It must contain special character (e.g. @, etc). 	1. Enter name	Valid name	A.Kavein	Successful register – System displays Home Page.
		2. Enter email address	Valid email address	kavein@gmail.com	
		3. Enter password	Valid password	kevein96	
		4. Enter mobile number	Valid mobile number	0187404464	
		5. Enter address	Valid address	No 1, Jalan Ros, Taman Citra.	
		6. Click “submit” button			
		1. Enter name	<<blank>>		Error message “Please fill out this field” is shown.
		2. Enter email address	Valid email address	kavein@gmail.com	
		3. Enter password	Valid password	kevein96	
		4. Enter mobile number	Valid mobile number	0187404464	
		5. Enter address	Valid address	No 1, Jalan Ros, Taman Citra.	
		6. Click “submit” button			

<p><password></p> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 50. It must contain letter or one number. <p><mobile number></p> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 10. Contain only number. <p><address></p> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 100. Must begin with letter. Contain only letter and number. 	1. Enter name	Valid name	A.Kavein	Error message "Please fill out this field" is shown.
	2. Enter email address	<<blank>>		
	3. Enter password	Valid password	kavein96	
	4. Enter mobile number	Valid mobile number	0187404464	
	5. Enter address	Valid address	No 1, Jalan Ros, Taman Citra.	
	6. Click "submit" button			
	1. Enter name	Valid name	A.Kavein	Error message "Please fill out this field" is shown.
	2. Enter email address	Valid email address	kavein@gmail.com	
	3. Enter password	<<blank>>		
	4. Enter mobile number	Valid mobile number	0187404464	
	5. Enter address	Valid address	No 1, Jalan Ros, Taman Citra.	
	6. Click "submit" button			
	1. Enter name	Valid name	A.Kavein	Error message "Please fill out this field" is shown.
	2. Enter email address	Valid email address	kavein@gmail.com	
	3. Enter password	Valid password	kavein96	
	4. Enter mobile number	<<blank>>		
	5. Enter address	Valid address	No 1, Jalan Ros, Taman Citra.	
	6. Click "submit" button			
	1. Enter name	Valid name	A.Kavein	Error message "Please fill out this field" is shown.
	2. Enter email address	Valid email address	kavein@gmail.com	
	3. Enter password	Valid password	kavein96	
	4. Enter mobile number	Valid mobile number	0187404464	
	5. Enter address	<<blank>>		
	6. Click "submit" button			

TEST CASE 2: LOGIN SYSTEM MODULE

Test Case ID: TC_LOGIN_SYSTEM_002

Test Scenario: Verify the login of E-Hydroponics System.

Pre-condition: Customer has registered to the system.

Post-condition: Product's Category Page is shown.

Start Date: 01/01/2018

Finish Date: 01/01/2018

No.	Test Case	Test Steps	Test Data	Example Data	Expected Result
1	Enter email address and password Requirements: <email address> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 50. Must begin with letter. It must contain special character (e.g. @, etc). <password> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 50 It must contain letter or one number. 	1. Enter email address	Valid email address	kavein@gmail.com	Successful login – System displays Product's Category Page.
		2. Enter password	Valid password	kavein96	
		3. Click "login" button			
		1. Enter email address	Invalid email address	kav@gmail.com	Error message "Invalid email address or password" is shown
		2. Enter password	Valid password	kavein96	
		3. Click "login" button			
		1. Enter email address	Valid email address	kavein@gmail.com	Error message "Invalid email address or password" is shown
		2. Enter password	Invalid password	kavein9611*	
		3. Click "login" button			
		1. Enter email address	Invalid email address	kave@gmail.com	Error message "Invalid email address or password" is shown
		2. Enter password	Invalid password	kavein9611*	
		3. Click "login" button			
		1. Enter email address	<<blank>>		Error message "Please fill out this field" is shown.
		2. Enter password	Valid password	kavein96	
		3. Click "login" button			

		1. Enter email address	Valid email address	kavein@gmail.com	Error message "Please fill out this field" is shown.
		2. Enter password	<<blank>>		
		3. Click "login" button			

TEST CASE 3: MANAGE ITEM MODULE

Test Case ID: TC_MANAGE_ITEM_003

Test Scenario: Verify New Entry Item Information into E-Hydroponics System.

Pre-condition: Admin must logged into the system.

Post-condition: Not applicable.

Start Date: 01/01/2018

Finish Date: 01/01/2018

No.	Test Case	Test Steps	Test Data	Example Data	Expected Result
1	Enter item's id, name, category, price, picture and description. Requirements: <item's id> <ul style="list-style-type: none"> Minimum length is 2 characters, maximum is 5. Must begin with letter. Contain only numbers. <name> <ul style="list-style-type: none"> Minimum length is 8 characters, maximum is 255. Must begin with letter. It must contain letter only. 	1. Enter item' id	Valid item 's id	14	Successful added – System displays Admin Manage Page.
		2. Enter name	Valid name	Grow Green	
		3. Select category	Valid category	Nutrients	
		4. Enter price	Valid price	15.00	
		5. Enter picture URL	Valid picture URL	growgreen.jpg	
		6. Enter description	Valid description	Good Growth.	
		7. Click "submit" button			
		1. Enter item' id	<<blank>>		Error message "Please fill out this field" is shown.
		2. Enter name	Valid name	Grow Green	
		3. Select category	Valid category	Nutrients	
		4. Enter price	Valid price	15.00	
		5. Enter picture URL	Valid picture URL	growgreen.jpg	
		6. Enter description	Valid description	Good Growth.	
		7. Click "submit" button			
		1. Enter item' id	Valid item 's id	14	Error message "Please fill out this field" is shown.
		2. Enter name	<<blank>>		
		3. Select category	Valid category	Nutrients	
		4. Enter price	Valid price	15.00	

<p><category></p> <ul style="list-style-type: none"> Minimum length is 2 characters, maximum is 5. Must begin with letter. It must contain letter. <p><price></p> <ul style="list-style-type: none"> Minimum length is 2 character, maximum is 6. Begin with number. Contain only numbers. <p><picture></p> <ul style="list-style-type: none"> Minimum size is 100px, maximum is 255px. Must begin with letter. It must contain special words (e.g. jpg, etc). <p><description></p> <ul style="list-style-type: none"> Minimum length is 10 characters, maximum is 255. Must begin with letter. Contain only letter and number. 	5. Enter picture URL	Valid picture URL	growgreen.jpg	
	6. Enter description	Valid description	Good Growth.	
	7. Click "submit" button			
	1. Enter item' id	Valid item 's id	14	Error message "Please fill out this field" is shown.
	2. Enter name	Valid name	Grow Green	
	3. Select category	<<blank>>		
	4. Enter price	Valid price	15.00	
	5. Enter picture URL	Valid picture URL	growgreen.jpg	
	6. Enter description	Valid description	Good Growth.	
	7. Click "submit" button			Error message "Please fill out this field" is shown.
	1. Enter item' id	Valid item 's id	14	
	2. Enter name	Valid name	Grow Green	
	3. Select category	Valid category	Nutrients	
	4. Enter price	<<blank>>		
	5. Enter picture URL	Valid picture URL	growgreen.jpg	
	6. Enter description	Valid description	Good Growth.	
	7. Click "submit" button			Error message "Please fill out this field" is shown.
	1. Enter item' id	Valid item 's id	14	
	2. Enter name	Valid name	Grow Green	
	3. Select category	Valid category	Nutrients	
	4. Enter price	Valid price	15.00	
	5. Enter picture URL	<<blank>>		
	6. Enter description	Valid description	Good Growth.	
	7. Click "submit" button			Error message "Please fill out this field" is shown.
	1. Enter item' id	Valid item 's id	14	
	2. Enter name	Valid name	Grow Green	
	3. Select category	Valid category	Nutrients	
	4. Enter price	Valid price	15.00	
	5. Enter picture URL	Valid picture URL	growgreen.jpg	
	6. Enter description	<<blank>>		
	7. Click "submit" button			

TEST CASE 4: MANAGE CUSTOMER & ORDER MODULE

Test Case ID: TC_MANAGE_CUSTOMER & ORDER_004

Test Scenario: Manage customer and order in the system.

Pre-condition: Admin must logged into system.

Post-condition: Not Applicable.

Start Date: 01/01/2018

Finish Date: 01/01/2018

No.	Test Case	Test Steps	Test Data	Example Data	Expected Result
1	Requirements: <Select Delete Icon> <ul style="list-style-type: none">CustomerOrder <Select Update Icon> <ul style="list-style-type: none">CustomerOrder	1. Select Delete Icon	Valid selected	-	Successful deleted – System displays Admin Manage Page.
		2. Select Delete Icon	Invalid selected	-	Error message “Invalid selected” is shown.
		1. Select Update Icon	Valid selected	-	Successful updated – System displays Admin Manage Page.
		2. Select Update Icon	Invalid selected	-	Error message “Invalid selected” is shown.