Test Case for Smartstatis

Test Case								
Test Case ID	Test Case Description	Test Case Procedure	Precondition	Expected Output	Actual Result	Status	Test date	Note
Test Scenario: Allow the application to send notification								
TC1	Check the application ask permission to send notification	Open Smartstatis at the first time		A window will appear asking the permission to send notification	As expected	Success	10/5/19	
TC2	Allow the system to send notification	Click "Allow" button	Execute Test case ID: TC2	Smarstatis have the permission to send notification	As expected	Success	10/5/19	
Test Scenario: Welcome page								
TC3	Check the welcome page	Swipe the welcome page	Execute Test case ID: TC2	There are four welcome pages	As expected	Success	10/5/19	
TC4	Direct to the login page	Click "Start" button	Execute Test case ID: TC3	Go to the login page	As expected	Success	10/5/19	
Test Scenario: Login page								
TC5	Check instructions for new users	Click "Tap if you're new"	Login Page	Instructions will be provided for each button: 1. Tap Generation ID under "Generate ID", 2. Remember ID for future visit under "SmartStatis ID", 3. Tap Go under" Go", "Tap if you're new" will become "Tap to hide hints"	As expected	Success	10/5/19	
TC6	Check ID generated by the application	Click "Generate ID" button	Login Page	An ID will be generated automatically, e.g. guestvisit281	As expected	Success	10/5/19	
TC7	Check the ID generated by the application can login into the system	Click "Go" button	Execute Test case ID: TC6	Login into the system and direct to home page	As expected	Success	10/5/19	
TC8	Check login with invalid ID	1.Type invalid ID "guest" 2. Click "Go" button 3. Click "Dismiss"		Notification shows 'Invalid SmartStat ID, please tap Generate ID if new or Please enter your ID"	As expected	Success	10/5/19	
Test Scenario: Home Page								
TC9	Check available options for ADD	Click "Add" button	Login Page	Two options will pop up. (i.e. Scan Recipe & Manually Add)	As expected	Success	9/5/19	
TC 10	Check selection of Manually ADD	Click "Manually Add" button	Execute Test case ID: TC9	Current page will directly navigate to Add page	As expected	Success	9/5/19	
TC 11	Check input function of Buy Date	1.Click date 2. Select "April 9, 2019" 3. Click "Done"	Execute Test case ID: TC10	"2019-04-09" will be showed on Buy	As expected	Success	9/5/19	
TC 12	Check input function of Expire	1.Click date 2. Select "June 15, 2019" 3. Click "Done"	Execute Test case ID: TC10	"2019-06-15" will be showed on Expire	As expected	Success	9/5/19	
TC 13	Check drop-down menu of food category	1. Click drop-down menu 2. scroll down to select "fruit"	Execute Test case ID: TC10	Food category as selected "Fruit"	As expected	Success	9/5/19	

TC 14	Check validation of input food name	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name "Strawberry" 5. Input price 5 $ 6. Click "Add" Button	Execute Test case ID: TC10	Food name is "Apple"	As expected	Success	9/5/19	
TC 15	Check validation of input price	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name "Strawberry" 5. Input price 5 $ 6. Click "Add" Button	Execute Test case ID: TC10	Food price is 5$	As expected	Success	9/5/19	
TC 16	Check error prevention of Food Name is null	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category. 4.Input price 5 $ 5. Click "Add" Button	Execute Test case ID: TC10	Error message "Empty Food Name" will pop up	As expected	Success	9/5/19	
TC17	Check error prevention of Price is null	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name "Strawberry" 5. Click "Add" Button	Execute Test case ID: TC10	Error message "Empty Price" will pop up	As expected	Success	9/5/19	
TC18	Check error prevention of Expire date	1. Input"2019-04-09" as Buy date 2. Click Expiry 3. scroll up to select the date before "2019-04-09"	Execute Test case ID: TC10	The options of date are displayed as not selectable	As expected	Success	9/5/19	
TC19	Check error prevention of Food name when its length exceeds 50 characters	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. repeat 51 times to type in character "a" 5. Input price 5 $ 6. Click "Add" Button	Execute Test case ID: TC10	Error message "Invalid Food Name" will pop up	As expected	Success	9/5/19	
TC20	Check error prevention of Food price when the price exceeds 1 billion	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name as "Apple" 5. Input price 2 billion $ 6. Click "Add" Button	Execute Test case ID: TC10	Error message "Empty Price" will pop up	As expected	Success	9/5/19	

TC21	Check Add function after type in food details	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name "Strawberry" 5. Input price 5 $ 6. Click "Add" Button	Execute Test case ID: TC10	Food entry called Fruit is stored	As expected	Success	9/5/19	
TC22	Check selection of Scan Receipt	Click "Scab Receipt" button	Execute Test case ID: TC9	Directly jump into photos	As expected	Success	9/5/19	
TC23	Check validation of food entry from Scan Receipt	1.Click "Scan Receipt" button 2. select target receipt 3. Click "Save" button 4. Click "Confirm" button	Execute Test case ID: TC22	Food items are stored as expected	As expected	Success	9/5/19	
TC24	Check Food Details	1.Click one piece of food items	Login Page	It shows Detail of selected food item	As expected	Success	9/5/19	
TC25	Check Buy More in the Food Detail	1.Click button "Buy More"	Execute Test case ID: TC24	Pop up the window of "Quantity for shopping"	As expected	Success	9/5/19	
TC26	Check validation of quantity input of Buy More	1.Click button "Buy More" 2. Input quantity with 4 3. Select unit as "qty" 4. Click "confirm"	Execute Test case ID: TC25	Selected food item will be added to Cart with correct quantity.	As expected	Success	9/5/19	
TC27	Check function of Manage your Plan in Buy More	1.Click button "Buy More" 2. Input quantity with 4 3. Select unit as "qty" 4. Click "confirm" 5. Click "Manage your Plan"	Execute Test case ID: TC26	current page will directly navigate to Cart page	As expected	Success	9/5/19	
TC28	Check function of Find receipt in Detail	1.Click Find Receipt	Execute Test case ID: TC24	Food Receipt is displayed correct as selected food item	As expected	Success	9/5/19	
TC29	Check function of Bin in Detail	1.Click Bin 2. Select consumption 20% 3. Click "Confirm"	Execute Test case ID: TC24	Select food item will be move into Bin	As expected	Success	9/5/19	
TC30	Check function of Edit in Detail	1.Click "Edit" button	Execute Test case ID: TC24	Selected food item in Detail become editable	As expected	Success	9/5/19	
TC31	Check input date for Buy	1.Click "Buy" 2. Select date as "2019-05-12" 3. Click "Done"	Execute Test case ID: TC 30	Buy date shows as "2019-05-12"	As expected	Success	9/5/19	
TC32	Check input date for Expire	1.Click "Expire" 2. Select date as "2019-05-14" 3. Click "Done"	Execute Test case ID: TC 30	Expire date shows as "2019-05-14"	As expected	Success	9/5/19	
TC33	Check input name of food	1.Click name input area 2. Type in word "Apple"	Execute Test case ID: TC 30	Food name is showed as "Apple"	As expected	Success	9/5/19	
TC34	Check input of food category	1.Click food category 2. scroll down to select "Fruit" 3. Click "Done"	Execute Test case ID: TC 30	Food category as selected "Fruit"	As expected	Success	9/5/19	
TC35	Change location of food storage	1.Change the location of food storage from Freeze to Pantry	Execute Test case ID: TC 30	Food location is changed to Pantry	As expected	Success	9/5/19	
TC36	Validation of Buy date when edit food detail	1.Select Expire date as "2019-05-20" 2. Select Buy date as "2019-05-21"	Execute Test case ID: TC 30	Selection of Buy date "2019-05-21" is not allowable	As expected	Success	9/5/19	

TC37	Validation of Expire date when edit food detail	1.Select But date as "2019-05-20" 2. Select Expire date as "2019-05-19"	Execute Test case ID: TC 30	Selection of Expire date "2019-05-19" is not allowable	As expected	Success	9/5/19	
TC38	Validation of input for food name	1.Type 51 times of "a" 2. Click save	Execute Test case ID: TC 30	Error message "Invalid Food Name" will pop up	As expected	Success	9/5/19	
TC39	Validation of input for food price	1.Input food price 2 billion $ 2. Click save	Execute Test case ID: TC 30	Error message "Invalid Price" will pop up	As expected	Success	9/5/19	
TC40	Validation of null value for food name	1.Delect food name and leave it blank 2. Click save	Execute Test case ID: TC 30	Error message "Empty Food Name" will pop up	As expected	Success	9/5/19	
TC41	Validation of null value for food price	1.Delect food price and leave it blank 2. Click save	Execute Test case ID: TC 30	Error message "Empty Price" will pop up	As expected	Success	9/5/19	
TC42	Validation of Save for Food Detail	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name "Strawberry" 5. Input price 5 $ 6. Click "Save" Button	Execute Test case ID: TC 30	Changes for food details are correctly displayed	As expected	Success	9/5/19	
TC43	Validation of Cancel for Food Detail	1. Input"2019-04-09" as Buy date 2. Input "2019-06-15" as Expiry date 3. select "Fruit" as food category 4. Input food name "Strawberry" 5. Input price 5 $ 6. Click "Cancel" Button	Execute Test case ID: TC 30	All changes for food details are cancelled out	As expected	Success	9/5/19	
TC44	Check left slide to delete food item	1.left slide food item 2. click "Delete"	Login Page	Selected food item is deleted	As expected	Success	9/5/19	
Test Scenario: Cart Page								
TC45	Check food items in Cart	Click "Cart" button		Direct to Cart page	As expected	Success	10/5/19	
TC46	Add food items into Cart	Click "Add" button	Execute Test case ID: TC9	User could see a new window asking the food item name, quantity and food category	As expected	Success	10/5/19	
TC47	Check User could enter the correct quantity for shopping	Enter the quantity for future purchase	Execute Test case ID: TC9	User would only enter number for the quantity	As expected	Success	10/5/19	
TC48	Check User could change the unit of measurement after entering the quantity	Change the unit of measurement (e.g. can, kg or gram)	Execute Test case ID: TC9	User could change the unit of measurement	As expected	Success	10/5/19	
TC49	Check User could type the food name	Type the food name, Food name = 'Apple'	Execute Test case ID: TC9	User is able to type the food name	As expected	Success	10/5/19	
TC50	Check User could food category	Select the food category to "fruit"	Execute Test case ID: TC9	User is able to select the food category	As expected	Success	10/5/19	
TC51	Check User could add the food into the shopping cart	Click "Add" button then "Confirm"	Execute Test case ID: TC9	User could see "Added" successful notification	As expected	Success	10/5/19	

TC52	User could see the window after clicking the food item in shopping cart	Select the food item "Apple"	Execute Test case ID: TC15	User could see there is window asking to enter the money spend on that food	As expected	Success	10/5/19	
TC53	User could enter the money spend on the food	Enter the food price with "5"	Execute Test case ID: TC15	User could enter the money spend on that food item	As expected	Success	10/5/19	
TC54	User could see has already purchased that food	Click "Confirm" button	Execute Test case ID: TC15	User could see the item has a blue tick	As expected	Success	10/5/19	
TC55	Check the food item with price entered is in Paid section	Click "Paid" button	Execute Test case ID: TC18	User could see the food item "Apple" in Paid section	As expected	Success	10/5/19	
TC56	Check the food item with price entered is not in Plan section	Click "Plan" button	Execute Test case ID: TC18	User could see there is no "Apple" in Plan section	As expected	Success	10/5/19	
TC57	Check the paid food item can be cancelled	Click the food item with price, then click "Confirm"	Execute Test case ID: TC18	User could see the notification "Purchase Cancelled"	As expected	Success	10/5/19	
TC58	Check user could delete the food item in Cart	Swipe the food item, e.g. "Apple", click "Delete"	Execute Test case ID: TC18	User could delete the food item in Cart	As expected	Success	10/5/19	
Test Scenario: Recipe Page								
TC59	Check the Recipe page	Click the "Recipe" button		User could go to the Recipe page	As expected	Success	10/5/19	
TC60	Check user could search recipe videos	Enter the food keyword in the search, e.g. type "beef" and click the "Search" button	Execute Test case ID: TC23	User could see the recipe videos for beef	As expected	Success	10/5/19	
TC61	User could play the recipe videos	Click the red "Play" button in the video		User could play the recipe video	As expected	Success	10/5/19	
Test Scenario: Report Page								
TC62	Check the Report page	Click the "Report "button		User could go to the Report page	As expected	Success	12/5/19	
TC63	Check the statistics for different months	Click the "month" button to change the months	Execute Test case ID: TC25	User could see the statistic for different months	As expected	Success	12/5/19	
TC64	Check details for total expense for the selected month	Click "Total Expenditure" button		User could see the details of total expense for selected month, e.g. food details	As expected	Success	12/5/19	
TC65	Check history for the total expense	Click "History" button		User could see the food items for the total spending	As expected	Success	12/5/19	
TC66	Go back to total expense page	Click "Category" button		User could see the details of total expense for selected month, e.g. food details	As expected	Success	12/5/19	
TC67	Go back to Report page	Click "Back" button		User could go to the Report page	As expected	Success	12/5/19	
TC68	Check details for total waste expense for the selected month	Click "Total waste" button		User could see the details of total waste expense for selected month, food details	As expected	Success	12/5/19	
TC69	Check history for the total waste expense	Click "history" button		User could see the food items for the total waste expense	As expected	Success	12/5/19	
TC70	Go back to total expense page	Click "Category" button		User could see the details of total waste expense for selected month, food details	As expected	Success	12/5/19	
TC71	Go back to Report page	Click "Back" button		User could go to the Report page	As expected	Success	12/5/19	
TC72	Check average waste per person given the household size	Click "Avg Waste" button		User could see the selection for the household size	As expected	Success	12/5/19	

TC73	Choose the household size	Select the number of members in your household, select '1 person' and then click "Confirm" button		User could see the "Avg Waste (1 Person)" become $119	As expected	Success	12/5/19	
TC74	Choose the household size	Select the number of members in your household, select '2 People' and then click "Confirm" button		User could see the "Avg Waste (2 People)" become $83	As expected	Success	12/5/19	
TC75	Choose the household size	Select the number of members in your household, select '3 People' and then click "Confirm" button		User could see the "Avg Waste (3 People)" become $85	As expected	Success	12/5/19	
TC76	Choose the household size	Select the number of members in your household, select '4 People' and then click "Confirm" button		User could see the "Avg Waste (4 People)" become $64	As expected	Success	12/5/19	
TC77	Choose the household size	Select the number of members in your household, select 'More than 4' and then click "Confirm" button		User could see the "Avg Waste (4up People)" become $63	As expected	Success	12/5/19	
TC78	Check user could see the progress for recent food expenditure and waste	Select "Progress" button		User could see the food expenditure and food waste in the past 3 months by a line chart	As expected	Success	12/5/19	
TC79	Check user could see the details of the line chart	Select the blue line (Total expenditure)		User could the details of the food expenditure	As expected	Success	12/5/19	
TC80	Check user could see the details of the line chart	Select the Red line (Wasted Money)		User could the details of the food waste	As expected	Success	12/5/19	
TC81	Check user could see the details of the line chart	Select the grey dashed line (Avg Household Waste)		User could the details of the average Australian household waste)	As expected	Success	12/5/19	
TC82	Go back to Report page	Click "Back" button		User could go to the Report page	As expected	Success	12/5/19	
Test Scenario: Setting Page								
TC83	Check user could go to the Setting page	Click "Setting" button		User could go to the setting page	As expected	Success	12/5/19	
TC84	Check user could log out	Click "Log Out" button		User could log out the application	As expected	Success	12/5/19	