Test Plan for WeCheck

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As a user, I would like to create an event.

Test ID	Descriptive title	Instructions	Expected result	Severity
01	Create an event	Click 'start an event' button	the create event page should be loaded	1
02	Create an event	Click 'create' button with entering the event's name	pop up box says "Please enter your event's name"	1
03	Create an event	Click 'create' button with entering a too long name	pop up box says "Exceed the maximum characters"	1
04	Create an event	Click 'create' button with entering correct event's name	the create event page should disappears	1

As an event creator, I would like to customize a category of an event.

Test ID	Descriptive title	Instructions	Expected result	Severity
05	customize category	Click 'create a new category' button	the create new category page should be loaded	3
06	customize category	Click 'create' button with entering the category's name	pop up box says "Please enter your category's name"	3
07	customize category	Click 'create' button with entering a too long name	pop up box says "Exceed the maximum characters"	3
08	customize category	Click 'create' button with entering correct category's name	the create category page should disappears	3

As an event creator, I would like to input the total amount of the group spends.

Test ID	Descriptive title	Instructions	Expected result	Severity
09	input total amount	Click 'input' button	If the user is not an event creator, he or she could only enter individual amount. Only event creator should be able to input total amount.	2
10	input total amount	Click 'input' button and the type in non-digit characters.	pop up box says "Please enter a number"	2
11	input total amount	Click 'input' button and the type in a negative number.	pop up box says "Please enter a positive number"	2
12	input total amount	Click 'input' button and the type in a number with more than 2 decimal places.	pop up box says "Please enter a number with less than 2 decimal places"	2

As an event creator, I would like to modify the event's name.

Test ID	Descriptive title	Instructions	Expected result	Severity
13	modify event's name	Click the name of the event Click 'edit' button behind the name of the event	the input text box should appear	3
14	modify event's name	Click the name of the event Click 'edit' button behind the name of the event Click 'done' without entering anything	pop up box says "Please enter your event's name"	3
15	modify event's name	Click the name of the event Click 'edit' button behind the name of the event Click 'done' with entering a too long name	pop up box says "Exceed the maximum characters"	3

| 16 | modify event's name | Click the name of the event
Click 'edit' button behind the name of the event
Click 'done' with entering a correct name | the input text box will disappear and the name will be updated to the new one | 3 |

As a developer, I would like to check if the event inputs are correct (Such as after everyone input their expenses, the system would check if all inputs are valid and update its corresponding status).

Test ID	Descriptive title	Instructions	Expected result	Severity
17	correct member inputs	● Input invalid symbols or alphabetic characters ● Click "save" button	pop up alert box saying "Invalid inputs, must be numeric values"	2
18	correct member inputs	● Missing some members' inputs ● Event creator clicks "validate" button	pop up alert box saying "Some members' expenses are missing"	2
19	correct member inputs	● Everyone inputs their expenses with some wrong inputs ● Event creator clicks "validate" button	pop up alert box saying "Invalid inputs, total amount does not match"	2
20	correct member inputs	● Everyone inputs their expenses with correct inputs ● Event creator clicks "validate" button	pop up success box saying "validated"	2

As a developer, I would like to correctly calculate the split expenses for each member in an event

Test ID	Descriptive title	Instructions	Expected result	Severity
21	correctly split a public receipt	● Given that the receipt should be split evenly ● Number of members in the event is one ● Event creator hit "split" button	The split result shown for that member should match the total amount	2
22	correctly split a public	● Given that the	The split result shown	2

	receipt	receipt should be split evenly ● Number of members in the event is 5 ● Event creator hit "split" button	for each member should be total amount / 5	
23	correctly split a public receipt	● Given that the receipt should split separately ● Number of members in the event is 4 ● Event creator hit "split" button	The split result shown for each member should be correct	2
24	correctly split a public receipt	● Given that the receipt should split separately ● Number of members in the event is 7 ● Event creator hit "split" button	The split result shown for each member should be correct	2

As a user, I would like to invite friends to join the event

Test ID	Descriptive title	Instructions	Expected result	Severity
25	invite friends to join the event	Click "Invite Friends" button	Invite Friends page should be loaded	1
26	invite friends to join the event	Click '+' button on Invite Friends page	pop up box says "Please enter your friend's email address"	2
27	invite friends to join the event	Enter email address and click 'confirm' button on the pop up box	pop up box should disappear and invitation message should be sent to the friend with that address.	1

As a user, I would like to input my spends into the event

Test ID	Descriptive title	Instructions	Expected result	Severity
28	input my spends into the event	click "spends" button	spends pop box should show up with input column and 'confirm' and 'cancel' button below	1
29	input my spends into the event	input the amount of money that your spent on the event(only characters 0-9 can be accepted and only two decimal places are allowed) and click 'confirm' button	if user's input is valid, pop box will disappear and a smile face emoji comes out or otherwise new alert pop box will appear saying that "input is not valid"	1
30	input my spends into the event	Click ''cancel'' button	pop up box should disappear	2

As a user, I would like to reset my password if I forget it

Test ID	Descriptive title	Instructions	Expected result	Severity
31	reset my password	Click "reset password" button	reset password page should be loaded	1
32	reset my password	input old password and new password and clicks 'confirm' button	if input is valid, pop up box says "your password has been resetted successfully", otherwise pop box appears saying your input is not valid.	1
33	reset my password	click 'cancel' button	reset password page will exit	3

As a user, I would like to modify existing personal expenses

Test ID	Descriptive Title	Instructions	Expected Result	Severity
34	Modify title of the	Select the	Title is updated	2

		expense	expense, input new title for it.	immediately, and title of expense in list view is also updated	
35		Modify amount of the expense	select the expense, input new amount	Amount is updated immediately.	2
36		Input validation when entering new amount	select the expense, input new amount with invalid characters	Notification pops up to inform user of invalid characters, and amount will not be updated	1

As a user, I would like to view my personal expenses in an ascending/descending order by price in current month

Test ID	Descriptive Title	Instruction	Expected Result	Severity
37	view expenses in sorting order by price	● Click "ascending" in drop down menu	Display all personal expenses in ascending order	2
38	view expenses in sorting order by price	● Click "descending" in drop down menu	Display all personal expenses in descending order	2

As a user, I would like to view total amount of money I spent in current period of time(current month)

Test ID	Descriptive Title	Instruction	Expected Result	Severity
39	View total amount	● Switch to the finance management page	Display the correct total amount spent in current period of time on the page	2

As a user, I would like to be able to view the comparison by percentage of top 3 category expenses in current month with same category expenses within same period of time in the last month

Test ID	Descriptive Title	Instruction	Expected Result	Severity
40	Compare top 3 category expenses	● Given two set of expenses for two	Display correct comparison result for each	2

		months with "A", "B", "C" as top 3 categories in current months	category	
41	Compare top 3 category expenses	● Given two set of expenses for two months with "A", "B", "D" as top 3 categories in current months	Display correct comparison result for each category	2

As a user, I would like to be able to sign up an account.

Test ID	Descriptive Title	Instruction	Expected Result	Severity
42	Check for invalid email address	Use invalid email address to sign up	notification pops up to prompt user to input correct email address. Sign up will fail.	1
43	Check for valid email address	Use valid email address to sign up	Successful sign up	1
44	Database synchronization	Sign up a new account, check if database is updated accordingly	newly signed up user should appear in database	1
45	Sign up using existing email address	Sign up using an email address that has already been used to create account	notification pops up to inform user email address exist	1

As a user, I would like to be able to send reminder to people who owe me money.

Test ID	Descriptive title	Instructions	Expected result	Severity
46	send reminder to people who owe me	Click "People who owe me" button	Whole list of all people who owe me	2

	money		money appears	
47	send reminder to people who owe me money	Choose from the list the person the user want to send reminder to	Successfully send message. Reminder popup appears in the recipient phone screen	2

As a user, I would like to be able to send notification to the person after I pay off the money I owe.

Test ID	Descriptive title	Instructions	Expected result	Severity
48	send notification to the person after I pay off the money I owe.	Pay off the money I owe	The specific person who I have been owing disappears from the "I owe" list	2
49	send notification to the person after I pay off the money I owe.	Click "send notification" button	Successfully send notification. Notification popup appears in the recipient phone screen	2

As a user, I would like to be able to log into my account.

Test ID	Descriptive title	Instructions	Expected result	Severity
50	log into my account	Input invalid username or password	The message box "Invalid username or password" appears	1
51	log into my account	Input valid username and password	Successfully log into the account	1

As an event creator, I would like to be able to delete a created event.

Test ID	Descriptive Title	Instructions	Expected Result	Severity
52	delete a created event	Select the event , and click "delete" button	Event disappears from the event list and from database	2