

Test Plan for WeCheck

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1.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 proper event name	pop up box says “event successfully created”	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

2.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

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

4.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	pop up box says "Exceed the maximum characters"	3

		a too long name		
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

5.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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Missing some members' inputs Event creator clicks "validate" button 	pop up alert box saying "Some members' expenses are missing"	2
19	correct member inputs	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Everyone inputs their expenses with correct inputs Event creator clicks "validate" button 	pop up success box saying "validated"	2

6.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	<ul style="list-style-type: none"> Given that the receipt should be split evenly Number of members in the 	The split result shown for that member should match the total amount	2

		event is one <ul style="list-style-type: none"> Event creator hit “split” button 		
22	correctly split a public receipt	<ul style="list-style-type: none"> Given that the receipt should be split evenly Number of members in the event is 5 Event creator hit “split” button 	The split result shown for each member should be total amount / 5	2
23	correctly split a public receipt	<ul style="list-style-type: none"> 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(should match each member’s expense)	2
24	correctly split a public receipt	<ul style="list-style-type: none"> 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(should match each member’s expense)	2

7.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	pop up box should disappear and	1

		the pop up box	invitation message should be sent to the friend with that address.	
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8.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 smily 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

9.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

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

Test ID	Descriptive Title	Instructions	Expected Result	Severity
34	Modify title of the expense	Select the expense, input new title for it.	Title is updated immediately, and title of expense in list view is also updated	2
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

11.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	<ul style="list-style-type: none">Click “ascending” in drop down menu	Display all personal expenses in ascending order	2
38	view expenses in sorting order by price	<ul style="list-style-type: none">Click “descending” in drop down menu	Display all personal expenses in descending order	2

12.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	<ul style="list-style-type: none">Switch to the finance management page	Display the correct total amount spent in current period of time on the page	2

13.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	<ul style="list-style-type: none">Given two set of expenses for two months with “A”, “B”, “C” as top 3 categories in current monthseach category in month 1 is greater than those in month 2.	Display correct positive percentage for the categories.	2
41	Compare top 3 category expenses	<ul style="list-style-type: none">Given two set of expenses for two months with “A”, “B”, “D” as top 3 categories in current monthsEach category in month 1 is less than those in month 2	Display correct negative comparison result for each categories.	2
42	Compare top 3 category expenses	<ul style="list-style-type: none">Given two set of expenses for two months with “A”, “B”, “D” as top 3 categories in current monthsEach category in month 1 is equal to those in month 2	Correctly display 0 percentage for each categories.	2

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

Test ID	Descriptive Title	Instruction	Expected Result	Severity
43	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
44	Check for valid email address	Use valid email address to sign up	Successful sign up	1
45	Database synchronization	Sign up a new account, check if database is updated accordingly	newly signed up user should appear in database	1
46	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

15.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
47	send reminder to people who owe me money	Click “People who owe me” button	Whole list of all people who owe me money appears	2
48	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

16.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
49	send notification to the person after I pay off the money I owe.	Pay off the money I owe, then hit corresponding button to send notification to the person, then that person confirms.	Notification shows up on the screen of the person who is receiving the money, after he/she confirms, the debtor is automatically removed from the list.	2
50	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

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

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

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

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

19.As a user, I would like to visualize my personal expense data in form of pie charts in current period of time (in current month)

Test ID	Descriptive Title	Instructions	Expected Result	Severity
54	Correctly retrieve data from database.	Click on corresponding button.	Retrieved data correctly get printed out.	2
55	Correctly display data.	Click on corresponding button.	Pie chart that contains user expense in certain period of time shows up on screen.	3

20.As a user, I would like to view the average daily expenses in current period of time (in current month)

Test ID	Descriptive Title	Instructions	Expected Result	Severity
56	Correctly retrieve data from database.	Click on corresponding button.	Retrieved data correctly get printed out.	2
57	Correctly display data.	Click on corresponding button.	average daily expenses in certain period of time is shown on the screen	3

21.As a user, I would like to be able to view the comparison by percentage of average daily expenses in same period of time in last month.

Test ID	Descriptive Title	Instructions	Expected Result	Severity
58	Correctly retrieve data from database.	Click on corresponding button.	Retrieved data correctly get printed out.	2
59	Correctly calculate the percentage and display data.	Given that expense in this month is more than that in last month. Click on	Positive percentage is correctly calculated and shown on the screen.	3

		corresponding button.		
60	Correctly calculate the percentage and display data	Given that expense in this month is less than that in last month. Click on corresponding button	Negative percentage is correctly calculated and shown on the screen	3
61	Correctly calculate the percentage and display data	Given that expense in this month is equal to that in last month. Click on corresponding button	Zero percentage is correctly calculated and shown on the screen	3

22.As a user, I would like to be able to logout my account.

Test ID	Descriptive Title	Instructions	Expected Result	Severity
62	Account security check	Log out and then refresh the website.	Successfully logged out, and refreshing website will not automatically log back in .	1
63	Server side user session check.	Log out of the application.	Corresponding user session should not remain active in the server.	2

23.As a user, I would like to be able to update my profile

Test ID	Descriptive Title	Instructions	Expected Result	Severity
64	Database synchronization	Check user profile in database before update, and then update user profile, then check	After the user profile is changed, the corresponding fields in database for that user	2

		those updated fields in the database.	should also be changed	
65	Client synchronization	Update user profile, and then check if the updated profile is shown in the client.	Correct updated profile should be displayed in the client.	2

24.As an event creator, I would like to set the type(public or private) of the event

Test ID	Descriptive title	Instructions	Expected result	Severity
66	set the type of the event	Click the 'set type' drop down menu	drop down menu displays. There are two type "public" and "private"	1
67	set the type of the event	Choose "public" from the menu	The type of the event appears as "public"	1
68	set the type of the event	Choose "private" from the menu	The type of the event appears as "private"	1

25.As an event creator, I would like to set a category(restaurant, hotel, flight, etc.) of the event

Test ID	Descriptive title	Instructions	Expected result	Severity
69	set a category	Click the 'choose category' drop down menu	drop down menu displays. There are "restaurant", "hotel", "flight" category in the drop down menu	1
70	set a category	Choose "restaurant"	The category of the event appears as "restaurant"	1
71	set a category	Choose "hotel"	The category of the event appears as "hotel"	1

72	set a category	Choose “flight”	The category of the event appears as “flight”	1
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26.As an event creator, I would like to update the status of an event (in process or complete) after the event’s status is valid

Test ID	Descriptive title	Instructions	Expected result	Severity
73	update the status of an event	Click the event name in the list	The event profile page appears	1
74	update the status of an event	Click the ‘status’ drop down menu	drop down menu displays. There are “in process” and “complete” in the menu	1
75	update the status of an event	Choose “in process”	The event status appears as “in process”	1
76	update the status of an event	Choose “complete”	The event status appears as “complete”	1

27.As an event creator, I would like to have options to choose how to split a bill (either evenly or separately)

Test ID	Descriptive title	Instructions	Expected result	Severity
77	choose how to split a bill	Click “how to split” drop-down menu	The drop-down menu appears. There are “evenly” and “separately” in the menu.	1
78	choose how to split a bill	Choose “evenly” and click “done”	The page prompt the event creator to input the total amount.	1

79	choose how to split a bill	Choose “separately” and click “done	The page prompt the event creator to input the total amount. The system send input request from all the member in the event.	1
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28.As an event creator, I would like to modify the member list

Test ID	Descriptive title	Instructions	Expected result	Severity
80	The event profile page appears	Click the event name in the list	The event profile page appears	1
81	The event profile page appears	Click name of the member you want to delete in member sector	There will be pop up window that contains a delete button appears	1
82	The event profile page appears	Click ‘delete’ button	The member disappears from the member sector for all other existing members.	1

29.As a user, I would like to be able to accept an invitation.

Test ID	Descriptive title	Instructions	Expected result	Severity
83	accept an invitation	Click the “unviewed” invitation from the side bar	The pop-up window contains a button “accept” and “decline” appears	1
84	accept an invitation	Click “accept” button	The pop-up window disappears. The new event appears in the event list	1
85	accept an invitation	Click “decline” button	The pop-up window disappears.	1

30.As a user, I would like to be able to decline an invitation.

Test ID	Descriptive title	Instructions	Expected result	Severity
86	decline an invitation	Click the “decline” invitation from the side bar	Invitation message disappears from the side bar and inviter is notified by receiving a decline message from his/her friends.	1

31.As a user, I would like see the members in the events.

Test ID	Descriptive title	Instructions	Expected result	Severity
87	see the members in the events	Click the “event’s name” from event lists bar	A new window appears on the center of the page containing a list of members’ names for the event and all their names should be displayed correctly and properly.	2

32.As a user, I would like to see how much I owe or how much people owe me after the bill has been calculated.

Test ID	Descriptive title	Instructions	Expected result	Severity
88	see the debts that I owe and other owe me	Click “My Account Balance” button	Account balance page appears	1
89	see the debts that I owe and other owe me	Click “Amount I owe” / “am owned” option menu	All events, with who I owe to appears	1
90	see the debts that I owe and other owe me	Click “am owned” option menu	All events, with who owe me money appears	1

33.As a user, I would like to be able to see the expenditure details of all members in an event.

Test ID	Descriptive title	Instructions	Expected result	Severity
91	see the expenditure details of all members in an event	Click “Expenditure” button	Expenditure details page appears	2
92	see the expenditure details of all members in an event	Choose an event to view expenditure details	Expenditure details of members appear	2

34.As a user, I would like to receive a notification to remind me to pay to the others.

Test ID	Descriptive title	Instructions	Expected result	Severity
93	receive a notification to remind me to pay others	Click “Notification” button	Notification page appears	2
94	receive a notification to remind me to pay others	Choose “Received Notification” button	Full list of all received notifications	2
95	receive a notification to remind me to pay others	Choose “Received Notification” button	Notification page with details appears	2

35.As a user, I would like to be able to confirm that if I received money from people who owe me.

Test ID	Descriptive title	Instructions	Expected result	Severity
96	to confirm that if I received money from people who owe me	Click “All Events” button	Page of all events appears	2
97	to confirm that if I received money from people who owe me	Choose a specific event	List of all people for the event appears	2
98	to confirm that if I received money from people who owe me	Click “Confirm Reception”	Check mark is added next to the name	2

36.As a developer, I would like to be able to update user's account balance (the money I owe others and the amount I am owed)

Test ID	Descriptive Title	Instructions	Expected Result	Severity
99	update user's account balance	Click "split" button in an event as the event owner	The amount of money people owe me should be updated correct on the main page	2
100	update user's account balance	(As an event member) after the event owner clicks "split" button	The amount of money I owe people should be updated correct on the main page	2

37.As a user, I would like to view history of all events

Test ID	Descriptive Title	Instructions	Expected Result	Severity
101	view history of all events	Click on corresponding button when history is empty	Should show none events in the corresponding panel	2
102	view history of all events	Click on corresponding button when there are one ongoing and one completed event	Should show 2 correct events in total in the corresponding panel	2
103	view history of all events	Click on corresponding button when there are 2 ongoing completed events	Should show 2 correct events in total in the corresponding panel	2

38.As a user, I would like to view all the events where I owe others money

Test ID	Descriptive Titles	Instructions	Expected Result	Severity
104	view all events where owes others money	Click on corresponding button when there are zero events where user owes others money	Should show empty list in the corresponding panel	2
105	view all events where user owes others money	Click on corresponding button when there are two events where user owes others money	Should show the 2 correct events in the corresponding panel	2

39.As a user, I would like to view all the events where people owe me money

Test ID	Descriptive Title	Instructions	Expected Result	Severity
106	view all events where others owe user money	Click on corresponding button when there are zero events where others owe the user money	Should show empty list in the corresponding panel	2
107	view all events where others owe user money	Click on corresponding button when there are two events where user owes others money	Should show the 2 correct events in the corresponding panel	2

40.As a user, I would like to save my personal expenses by category

Test ID	Descriptive Title	Instructions	Expected Result	Severity
108	save personal expenses by category	<ul style="list-style-type: none">Click on corresponding button to add a new personal expense.Choose its category and input basic	There should exist the new added personal expense data with correct category in database	2

		required information. <ul style="list-style-type: none"> • Hit “save” button 		
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41.As a user, I would like to have all the general expense categories to choose

Test ID	Descriptive Title	Instructions	Expected Result	Severity
109	Able to choose general expense categories	Click on corresponding category dropdown menu	Should display all the general expense categories	2

42.As a user, I would like to create customized expense category

Test ID	Descriptive Title	Instructions	Expected Result	Severity
110	create customized expense category	<ul style="list-style-type: none"> • Click on corresponding category dropdown menu • Choose “Customize” option 	Should display corresponding “Add a Category” panel	2
111	create customized expense category	<ul style="list-style-type: none"> • On “Add a Category” panel, input new category name • Hit “save” button 	Should add the new defined category to the user’s database	2

43.As a user, I would like to delete existing personal expenses

Test ID	Descriptive Title	Instructions	Expected Result	Severity
112	delete existing personal expenses	Click on “delete” button of an existing personal expense	The corresponding personal expense record should be removed from the expense list on the web page and from database as well	2

44. As a user, I would like to view my personal expenses by date in current month

Test ID	Descriptive Title	Instructions	Expected Result	Severity
113	view my personal expenses by date	Click “view” option button	Collapse the option list	2
114	view my personal expenses by date	Choose “order by date” button	Display personal expenses by date	2

45. As a user, I would like to be able to view the comparison by percentage of total amount money I spent in current period of time with same period of time in the last month

Test ID	Descriptive Title	Instructions	Expected Result	Severity
115	correctly display the percentage if current month is the first month in use.	newly register and user, and then enter some expense. Then click corresponding button to view percentage.	Since it's the first month, no percentage should be displayed, instead, "N/A" should be displayed	2
116	correctly display the percentage if current month is not the first month in use.	Click corresponding button to view percentage comparison.	Correctly calculated percentage should be calculated.	2

46.As a user, I would like to be able to add notes to my specific expense

Test ID	Descriptive Title	Instructions	Expected Result	Severity
117	add notes to my specific expense	Input personal notes in an note input box	the contents that user typed should show on the note input box	2
118	add notes to my specific expense	Click "save" button to save the note	note is saved into database and user can view it along with specific expense	2