



**BudgetSimple**

# Test plan

## Budget Simple

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## Version history

Version	Date	Author(s)	Changes	State
1.0	17.09.2021	Stela Trencheva	Test cases 01-36	Draft
1.1	20.10.2021	Stela Trencheva	Test strategy	Draft

# Testing strategy and configuration management

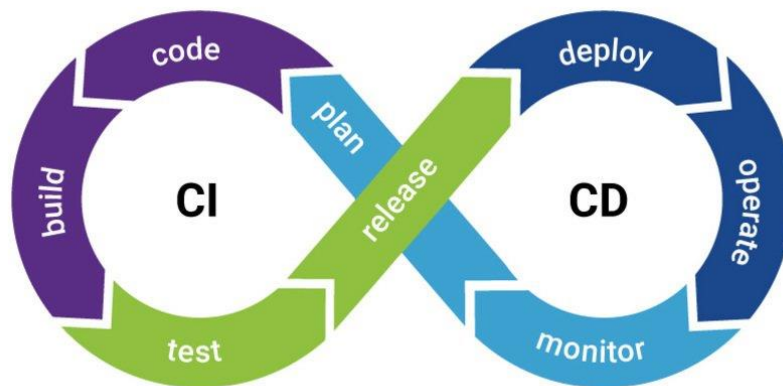
## Test strategy

The objective of the test is to verify that the functionality of BudgetSimple web application works according to the specifications. The test will execute and verify the test scripts, identify, fix and retest all high and medium severity defects.

- Unit tests will be implemented to test different units of the code and will be implemented each sprint for the newly added features
- User acceptance tests to evaluate a product, feature or prototype with real users
- System tests to test the whole system and will be done in the last sprint before release of the final product. The testing of some features that require to be tested often or are complicated and may be wrongly tested, will be automated. An example is the login in the application. For automated testing a software like Selenium will be used
- Regression tests to test if the whole program still works as it should when a new feature is added
- Integration tests to test behavior of components working together

## Test environment and required resources

The combined practice of continuous integration and continuous delivery is going to be used. A management tool for the project will be Git CI/CD.



# User Acceptance Test Cases

ID	User story	Name	Pre-condition	Test data	Expected result
TC-01	US-1	Register			System shows a confirm message and creates an account
TC-02	US-1	Invalid data format while registering			Can't create account; system shows warning message
TC-03	US-2	Login	Have an account in the system	<b>User account:</b> - Username: testUser - Password: testUser123  <b>Admin account:</b> - Username: admin - Password: admin123  <b>Customer service account:</b> - Username: testService - Password: testService123	Log the user in the application and redirect him to the main page
TC-04	US-2	Wrong login data			Can't log in the application; system shows a warning message
TC-05	US-3	Create wallet	Be logged in the application as a user		System shows a confirming message and redirects the user to the created wallet
TC-06	US-3	Not filled all fields when creating a wallet	Be logged in the		System shows a warning message

			application as a user		and doesn't add a wallet
TC-07	US-4	Set budget to a wallet	Be logged in the application as a user and have opened an existing wallet		System shows a confirming message and sets the budget
TC-08	US-4	Don't enter an amount when setting budget	Be logged in the application as a user and have opened an existing wallet		System shows a warning message and doesn't set the budget
TC-09	US-5	Add transaction	Be logged in the application as a user and have opened an existing wallet		System shows a confirming message, adds the transaction and updates the data in the wallet
TC-10	US-5	Has not filled mandatory fields when adding transaction	Be logged in the application as a user and have opened an existing wallet		System shows a warning message and doesn't add the transaction
TC-11	US-6	Create invitation	Be logged in the application as a user and have opened an existing wallet		System displays invitation code
TC-12	US-7	Join a wallet	Be logged in the application as a user and have an invitation code		System shows a confirming message and redirects me to the wallet corresponding to the code
TC-13	US-8	Owed money	Be logged in the application as		System shows how much all and each of the

			a user and have opened an existing wallet		members have spent and how much I owe to them / they owe to me
TC-14	US-9	Restrict activity of a member	Be logged in the application as a user and have opened an existing wallet of which I am the owner		System shows confirming message, changes the activity status of the member
TC-15	US-10	Statistics of spending for the whole time	Be logged in the application as a user and have opened an existing wallet		System shows how much I have spent for the whole period of time since the wallet was opened
TC-16	US-10	Statistics of spending for a date range	Be logged in the application as a user and have opened an existing wallet		System shows how much I have spent for the chosen period of time
TC-17	US-10	Statistics of spending per category	Be logged in the application as a user and have opened an existing wallet		System shows how much I have spent per specific category
TC-18	US-10	Statistics of spending for the whole time	Be logged in the application as a user and have opened an existing wallet		System shows how much I have spent for the whole period of time since the wallet was opened
TC-19	US-11	Predictions of spending for upcoming months	Be logged in the application as a user and have opened		System shows how much I might spent per category depending on

			an existing wallet		the previous months
TC-20	US-12	Rate the application	Be logged in the application as a user		System shows overview of the rating and confirming message that It was submitted
TC-21	US-12	Not filled mandatory fields of the survey	Be logged in the application as a user		System shows warning message and does not submit the rating
TC-22	US-13	See submitted ratings	Be logged in the application as an admin		System shows all ratings sorted by rating points
TC-23	US-14	Add bonuses	Be logged in the application as an admin		System adds the bonus to the list and shows a confirmation message
TC-24	US-14	Not filled mandatory fields when adding a bonus	Be logged in the application as an admin		System display a warning message and doesn't add the bonus
TC-25	US-15	Unlock bonus	Be logged in the application as a user and have fulfilled a particular task		System displays the discount code for the particular bonus
TC-26	US-16	See unlocked bonuses	Be logged in the application as an admin		System displays all bonuses and how many each of them have been unlocked
TC-27	US-17	Register new customer support employee	Be logged in the application as an admin		System shows a confirming message the new employee was registered in the system
TC-28	US-17	Not filled all fields when adding a new customer support employee	Be logged in the application as an admin		System shows a warning message and doesn't add the employee to the system

TC-29	US-17	Filled data of already existing employee when adding a new customer support employee	Be logged in the application as an admin		System shows a warning message and doesn't add the employee to the system
TC-30	US-18	Change password	Be logged in the application		System shows a confirming message that the password was successfully changed
TC-31	US-18	Not matching old password	Be logged in the application		System shows a warning message that the old password doesn't match with the one in the system
TC-33	US-20	Contact customer support	Be logged in the application as a user		System shows the live chat and displays the commonly asked questions and answers
TC-32	US-19	Send message to customer support	Be logged in the application as a user		System shows the sent message in the chat
TC-33	US-20	See asked questions in the live chat	Be logged in the application as a customer support employee		System shows the asked question and the customer
TC-34	US-20	Answer a question in the live chat	Be logged in the application as a customer support employee		System shows the message that you sent in the live chat
TC-35	US-21	See customer support employees working hours	Be logged in the application as an admin		System displays all customer support employees and how many hours has each of them



					worked per month/week/day
TC-36	US-22	Scan QR code to join a wallet	Be logged in the application as a user and have an invitation QR code		System displays a confirmation message and redirects to the wallet corresponding to the QR code