



**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
1.2	10.01.2022	Stela Trencheva	Remove user stories that were not fulfilled	Final release

# Testing strategy and configuration management

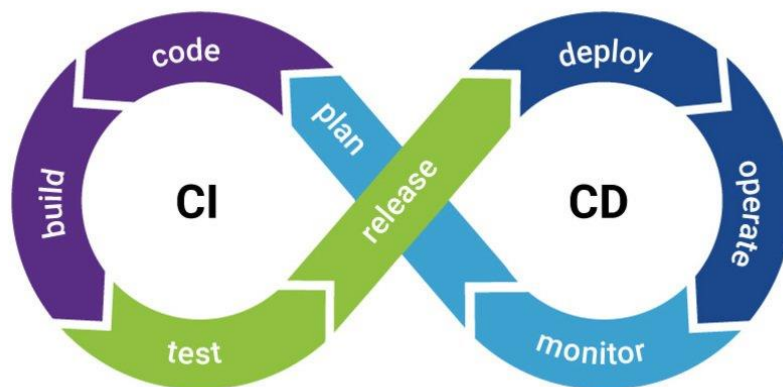
## Test strategy

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
- Performance tests to check the speed of the application
- 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	Change wallet budget	Be logged in the application as a user and have opened an existing wallet		System shows a confirming message and sets the new 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 copies the code in the clipboard
TC-12	US-7	Ask to join a wallet	Be logged in the application as a user and have an invitation code		System redirects me to page where I should make a request to join the wallet
TC-13	US-7	Accept user to join wallet	Be logged in the application as a user and have opened an existing wallet		See entry requests and choose to accept or decline
TC-14	US-10	Statistics of spending per member	Be logged in the application as		System shows how much I and other members

			a user and have opened an existing wallet		of the wallet have spent for the whole time
TC-15	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-16	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-17	US-13	See submitted ratings	Be logged in the application as an admin		System shows all ratings sorted by rating points
TC-18	US-13	Add surveys to the application	Be logged in as an admin		System adds the new type of survey
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 redirects to the join request page of the wallet corresponding to the QR code