

**Test plan**

Budget Simple

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**Version history**

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| 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

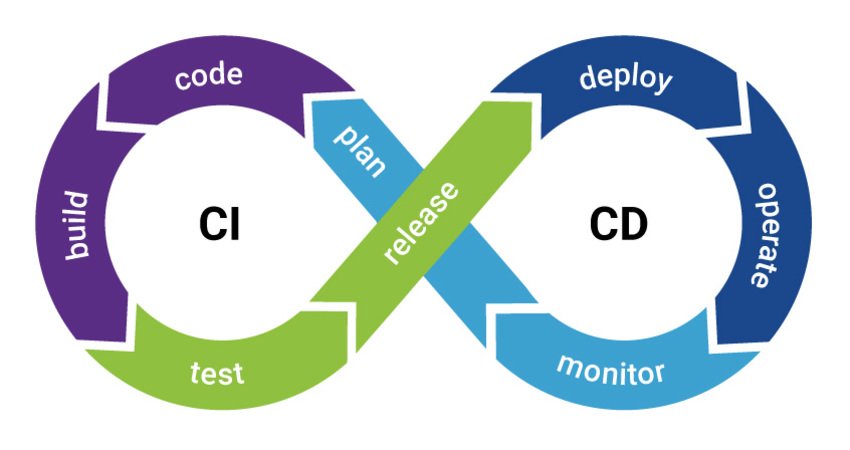
## Test strategy

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 | **User account:**  - Username: testUser  - Password: testUser123  **Admin account:**  - Username: admin  - Password: admin123  **Customer service account:**  - 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 application as a user |  | System shows a warning message 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 a user and have opened an existing wallet |  | System shows how much I and other members 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 |