



### 1.3 Scope

The purpose of testing the MeowMoments application is to check the correct operation of all its functions on iOS and Android operation systems with typical use cases. A fraction of the time (20%) will be used to test atypical / potentially error-prone usage scenarios.

The result of the testing process will be the following materials:

- report of the testing team regarding the general state, giving the developers and managers of this product a picture of the application's correct operation on iOS and Android operation systems;
- report of the results of testing the current coverage, typical use cases / operation systems;
- documented bugs in the bug tracker of the customer;

Testing will be done manually, by the ad-hoc testing method from the perspective of the end user of the site.

## 2. Conditions for testing

The application should satisfy the user's need for activities related to registration, authorization, taking photos, uploading photos and sharing photos with friends.

## 3. Testing strategy

The following test plan is formal, as understanding of the current state of the project is needed to build a detailed plan. As a result of the first run of functional tests, changes and improvements will be made to the test plan. The first run of the functional tests will give a clear idea of the level of stability of the system and the set of tests that will be performed in each configuration will be clearly defined.

This approach will give an opportunity to get a detailed report on the product being tested and to focus maximum attention on narrow places.

The customer will be provided with daily reports on the progress of testing, defects found, suggestions for improving the work of the product and its design. All detected defects will be reported to the customer's tracker as separate tickets for subsequent correction.

In the process of testing the MeowMoments application ad-hoc testing will be applied due to the lack of strict specification, as well as due to limited resources for the formalization of tests.

Five stages of the testing process are planned:

- 1) the first stage is to analyze the technical requirements, develop a test plan, and run the functional tests partially;
- 2) second stage will be devoted to a detailed run of the functional tests with the detection and description of defects;
- 3) at the third stage, testing on the iOS and Android operation systems will be performed with a description of the defects found;
- 4) the fourth stage is to check the bugs fixed by the developers and conduct regression testing;
- 5) the fifth stage is to test the product design with a description of the defects found.

Thus, maximum detailing of the testing depth is achieved, which, in turn, allows to determine the spent resources more accurately, as well as allows project developers to correct defects at the earliest stages.

OS, approved for testing:

- iOS
- Android

### 3.1 Testing types

#### 3.1.1 Functional testing on iOS

#### 3.1.2 Functional testing on Android

Objective:

Identify functional errors, inconsistencies with the requirements and expectations of the user through the implementation of standard as well as non-trivial test scenarios.

**Process description:****Registration / Authorization:**

- User registration
- “Personal Details” block
- “Password” block
- User authorization

**Account:**

- My Account
- Edition of account information
- Deletion of the account
- User logout from personal account
- Password recovery
- Changing the password
- My Photos
- Take Photo
- Upload Photo
- Edit Photo

**Text messaging using application**

- Sending a link to the application:
- using Telegram
  - using Viber
  - using Instagram
  - using Facebook

**Search:**

- Search by users name

**Photo card:**

- Zoom
- Edit
- Text
- Filters

**Application language:**

- English
- Ukrainian

### 3.1.3 Regression testing and verification of fixed defects

Objective:

Checking the changes made in the application in order to make sure that the new version does not contain errors in the already tested parts of the application.

In the course of regression testing, the following types of tests will be conducted:

--- Verification Tests

--- Testing related functionality

### 3.1.4 Testing the design on iOS

### 3.1.5 Testing the design on Android

Objective:

Verification of product design compliance with specifications

## 4. Testing schedule

Task	Workload	Start date	Expiration date						
Making a test plan	12 hours	23.08.2023	24.08.2023						
Test execution									
Test Analysis									
Summarizing									

## 5. Final results

### 5.1 Resume

The final result of the testing should be the complete summary consequence of testing process with the described defects and recommendations for the improvement of the product from the perspective of the end user.