

1. Actor candidates

- **New user** – a person who does not have an account in the system yet. They can register into the system or log in using their Google account.
- **User** – a person who has an account in the system. They have many possibilities in the system, such as searching for photos, adding new photos, liking, and commenting on other's photos, etc.

2. Class candidates

- **User**
- **User's account** - information associated with the user, collection of photos they added and liked.
- **Photo** – image uploaded by user described by tags.
- **Category** - a photo attribute that the user must enter when adding a new photo to determine its theme. A photo can have just one category.
- **Comment** – a feature enabling the user to say what they think about a photo.
- **Tag** - a photo attribute that the user must enter when adding a new photo in order to determine what we can see in the image. A photo can have multiple tags.
- **Reaction** – a feature enabling the user to show if they like a photo or not.

3. Use case candidates

- **Registering** – an action leading to creation users account in the system. Registering includes inserting the registration credentials into a registration form.
- **Logging in** – an activity leading to having the possibility to use the system by the user. Logging in includes inserting the login credentials into a logging form.
- **Logging in using Google account** – an activity leading to have the possibility to use the system by the user, without the need of registering to the system beforehand.
- **Viewing Popular page** – an activity in which the user is browsing the Popular photos page, on which the photos with the biggest number of likes are shown.
- **Viewing user's profile** – an activity in which the user is browsing their own profile on which they can see photos they have uploaded to their profile and photos they have liked. While browsing their profile, the user has the possibility to edit it, view liked

photos, view photos they added, which are divided into two folders – private and public, depending on if the photo is visible to others or not.

- **Viewing New page** - an activity in which the user is browsing the New photos page, on which the photos recently added to the system by other users are shown.
- **Searching for photos** – an activity in which the user must insert to the search box an appropriate photo tag, to have the photos they want to see shown by the system.
- **Adding new photos** – an activity that leads to adding a new photo to the user’s profile. It includes filling in a form with information about the photo such as title, description, category, and tags.
- **Viewing photos** – an action in which user double clicks on the photo in order to zoom it in. After this operation, the user sees the title and description of the photo and has the ability to give a reaction to the photo or comment on it, and also to save the photo on the user’s device.
- **Viewing other user profile** – an action in which the user is browsing other user’s profile. While doing that, the user can only see photos added to the system by other users but cannot see photos liked by them.
- **Editing a user profile** - an action in which a user changes their user profile page.
- **Viewing liked photos** – an action in which the user is browsing photos they have liked. Liked photos can be grouped in different collections. Liked photos are not visible to other users.
- **Grouping photos** – an action in which the user groups photos they liked into collections in a way they want.
- **Typing photo tags to search box** – an action resulting in the system showing photos related to the typed tag to the user.
- **Giving reactions to a photo** – an action in which the user implements if they like a photo or not. If they liked the photo, it is added to the liked photos on user’s profile.
- **Commenting on a photo** – an action in which the user writes a comment to a photo. The comments are visible to all system users.
- **Saving a photo** – an action in which the user saved the photo to their personal device.

4. User interface elements

- **Popular page** - This is the part of the system that acts as the home page. Here, the user will see the most popular images in the system (popularity of images will be determined by the number of likes and views).

- **New page** - A page in the system which will display the latest photos of all system users.
- **User's profile** - The place where the user stores the photos they add. This page, also under "Saved", will display the photos of other system users which the user has saved. The saved photos can be grouped into folders according to the user's preference. The user will be able to edit their profile page and the photos they have added.
- **Edit profile page.**
- **Login page** – a page in a system where the user must enter their login credentials in order to start using the system.
- **Registration page** – a page in a system where the user must enter their login credentials to create their account in the system.
- **Form for adding photo.**
- **Other user profile.**