File Sharing Program

Use-Case Model

Version 1.0

Revision History

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| --- | --- | --- | --- |
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| 18/3/2017 | 1.0 | Initial version | Bánhidi Zoltán |
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# Use-Cases Identification

This program has two types of actors:

* Administrator
* Regular user

## Actors

### Admin user

An administrator can perform the following operations:

* create an account
* delete an account
* modify an account
* sign in and sign out

Signing in and out is performed by a username and a password which is encrypted by the SHA256 hash algorithm.

### Regular user

A regular user can perform multiple operations. He can chat with another users and also share files with them. The shared files size is maximum 8 MB, and the files are stored in a database persistently. Sharing means not just sending a file, it means storing that file until it is not explicitly removed by a user.

## Three main use cases

### **Use case:** Create account

**Level:** admin-goal level

**Primary actor:** administrator

**Main success scenario:**

* the administrator inserts personal data (name, username, password, and the type of the user)
* the system verifies if the introduced data is valid
* the system creates the account
* the new user can sing in with the provided username and password

**Extensions:**

* the administrator can’t choose an already chosen username
* the two passwords must be the same
* two types of users: administrator and regular user

### **Use case:** chat with the regular users

**Level:** user-goal level

**Primary actor:** logged user

**Main success scenario:**

* the user selects the chat partner
* the user writes the message
* sends the message with clicking a button

### **Use case:** share image

**Level:** regular user-goal level

**Primary actor:** regular user

**Main success scenario:**

* the user selects the destination user
* the user selects the photo from the local machine
* the user can write a description
* share photo by clicking a button

**Extensions:**

* a valid photo must be selected
* the description is facultative
* the image can be seen by the user interface

# UML Use-Case Diagrams

