

# Glossary

**Personal information:** The information about the user that consists of a first name, last name, email, and the avatar

**Account:** An account is identified by an email and password that are used to authenticate the user. Moreover, the account has a system role and a set of group roles.

**System role:** Defines the set of capabilities that a user can do in the system. There are the following system roles:

- Teacher - can create groups, upload videos to the profile, share videos in the group, and watch videos
- Student - can be a member of a group and watch videos
- Administrator - manages the users in the system by modifying their system roles

**Group role:** Defines the set of capabilities that users can do in a particular group. There are the following group roles:

- Group owner - a teacher that created the group. They can delete the group and do everything that a teacher can do
- Teacher - can upload a video to the group and manage students roles in the group
- Instructor - can upload a video to the group
- Student - can only see videos in the group

**Avatar:** Is the user's picture

**Supported video file format:** Format of video file supported by the system - mp4

**Study Program (video attribute):** List of available study programs: Software engineering, Global business engineering, Mechanical engineering, Marketing Management, Value Chain, Civil engineering

**Video tags:** Each video must be associated with one or more tags that are a single word or a phrase describing a video or part of it

**Video thumbnail:** It is a representative image (png/jpg format) for the video and the user can navigate through it to the video details page

**Feedback:** The feedback can be like or dislike and comment

**Basic search:** It is a simple search for videos by specifying a search term that is to be searched in the following video properties: title, creator's nickname, tags, video description, study programs

**Advanced search:** It is a customizable search where a user can specify searching criteria, such as study program, video tags, creator of the video, length of the video, language, and upload time.

**Recommendation:** Videos that a system recommends to the user. This suggestion is based on user preferences and behavior

**User Preferences:** Preferences that consist of user behavior and user personal preferences

**User Personal Preferences:** Consist of the following parameters: study programs, tags, and the video length interval. Those parameters can be set and modified on the user's preferences page

**User Behavior:** Actions performed by a user that are monitored by the system. Those actions are watching a video, rating a video, adding a comment, and searching

**Group:** It represents a class with one or more teachers and students. Teachers can share the video in the group so that students can watch it. A Student can be appointed an Instructor by the Teacher so that they can also share videos in the group. When a video is shared in the group, all group members receive a notification

**Creator:** Teacher or Instructor that has uploaded a video

**Notifications:** Notification is information sent to the user in form of a short message. The system sends a notification to the user when:

- a new video has been shared within a group that a user is a member of
- a user's system role is changed by the administrator

- a user is added to or removed from a group
- a user's group role is modified

**Password restriction:** The password must have at least 8 characters and contain at least one of each of the following: digit, an uppercase letter, lowercase letter. The letters must be a valid letter from ISO-IR-006 (ASCII) standard

**Video attributes:** Attributes that belong to a video are divided into mandatory and optional attributes:

- Mandatory attributes - title, study programs, tags, video thumbnail
- Optional attributes - description, language, group access