

# AADBDT PROJECT ASSIGNMENT

Create an app to upload and browse photos.

## Functional requirements:

- The application supports work with a registered, anonymous, and administrator type of user – **10 points for LO1 Minimum**
- User registration must be enabled using a local account (**5 points for LO1 Minimum**), Google, and Github (**5 points for LO1 Desired**) – **LO1**
  - When registering a user, you have to choose one of the packages for use: FREE, PRO, or GOLD - limit the price of the package yourself (e.g., upload size, daily upload limit, maximum spend of uploaded photos, etc.)
  - Users can track the current consumption in their current package
  - Users can change the packet once a day (change is valid from the following day)
- Users can set one or more hashtags and a description of a photo when uploading – **8 points for LO4 Minimum**
  - The user can choose how the image will be processed before being saved (e.g., resize, PNG/JPG/BMP format)
- User can browse all uploaded photos – **LO2**
  - Registered users can modify the description and hashtags of their photos while the anonymous user can only browse uploaded photos (**8 points for LO2 Minimum**)
  - By default, thumbnails of 10 last uploaded photos are displayed with a description, author, upload DateTime, and hashtags (**4 points for LO2 Desired**)
  - Click on the photo thumbnail displays the whole photo (**1 point for LO2 Desired**)
- User can search photos based on given filter – **10 points for LO3 Minimum**
  - Hashtags, size, upload DateTime range, author
- User can download the photo – **LO4**
  - When downloading, the user can choose to download the original photo (**7 points for LO4 Minimum**) or the photo with applied selected filters - e.g., resize + sepia + blur + format (**5 points for LO4 Desired**)
- Administrator can do everything that registered user can, and additionally – **7 points for LO2 Minimum**
  - Modify the profile and packages of the user
  - View user actions and user statistics
  - Manage images of any user

## Nonfunctional requirements:

- Logging of every action has to be implemented: by who, when, and what operation was made – **5 points for LO3 Minimum**
- Depending on the chosen configuration, photos have to be saved on local storage or Amazon s3 bucket – **5 points for LO3 Desired**
- App has to be implemented as a web, desktop, or mobile application using an object-oriented language – **15 points for Minimum and 5 points for Desired LO5**