Livepapers - web programming exam project

Livepapers is a webpage developed by Joachim Andreassen as a exam project in the web programming course. The purpose of this webpage is to provide animated wallpapers to users. Animated wallpapers can be put to use using [Lively Wallpaper](), or other similar software.

Features

- Browse page where the user can browse animated wallpapers.

  - Shows static images first, which changes to video of the wallpaper on hover.
  - Sort by *latest*, *most liked* and *random*.
  - Searchable by tags, colors and uploader.
  - Filter by date, views, ratio, width and height.
- Wallpaper page where the user can view the animated wallpaper and info about it.

  - Button to download the wallpaper.
  - Button to favorite the wallpaper, if logged in.
- Profile page where the user can view user information.

  - Ability to upload animated wallpaper.

  - Ability to remove wallpapers uploaded by current user.

  - Change user settings.

    - Settings stored in database as json.
  - View uploaded wallpapers and favorited wallpapers.

  - Admin and manager settings.

    - Admins and managers can delete wallpapers and block users.
    - Managers can delete wallpapers for all users (including admins and managers), and block all kinds of users.
- Implemented flask login.

Databases

Users database:

Stores information about users. The table contains the following columns:

Type contains an binary value that describes the account state and what the user can do on the page:

- **000001:** Add wallpapers
- **000010:** Remove wallpapers
- **000100:** Admin - Manage users
- **001000:** Manager - Manage admins
- **010000:** Blocked

username	pwhash	type	settings
joachim	fa8g97dya9hukasdf	15	{"color": "dark"}

Wallpapers database:

Stores information about animated wallpapers. The table contains the following columns:

aid	username	width	height	date	views
1	joachim	1920	1080	14.04.21	68

Likes database:

Stores information about likes on animated wallpapers. The table contains the following columns:

lid	aid	username
1	2	joachim
2	1	joachim

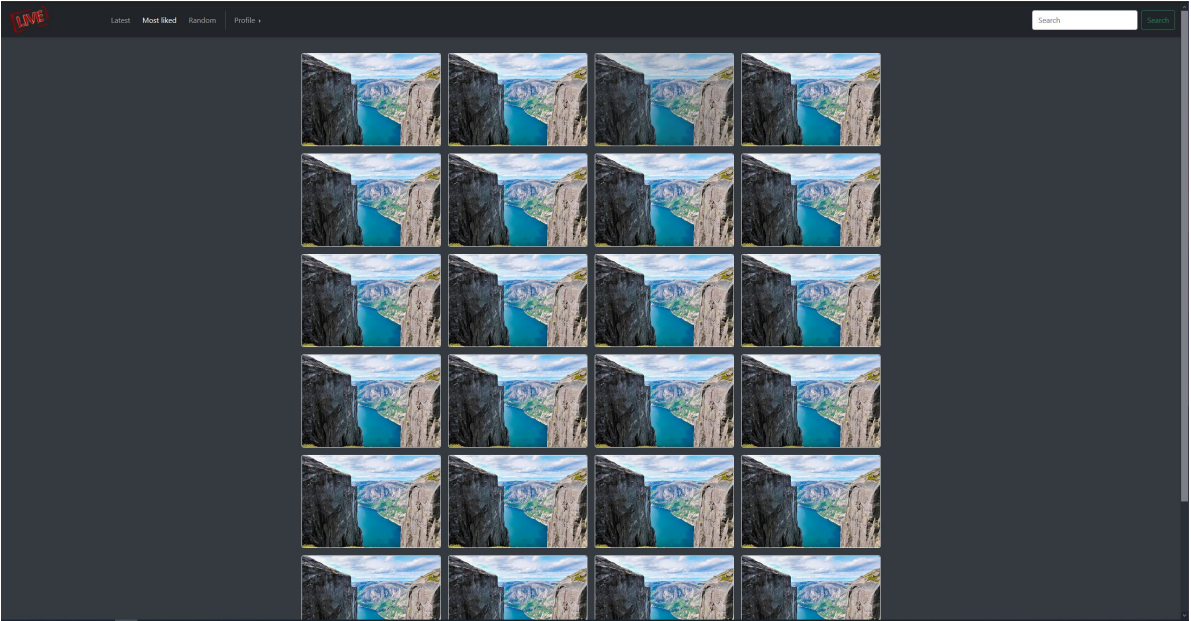## Tags database:

Stores information about the tags for animated wallpapers. The table contains the following columns:

tag	aid
popcorn	2
candy	2
whale	1

Screenshots

Browse page:

Wallpaper page: