

# Project Specification

## Project Introduction:

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This Project aims to become a social network, which allows people to express themselves through posts and comments, while they are also able to evaluate other people's posts, through likes or dislikes. The target users are everyone with a device able to establish an internet connection and the ability to run a web browser.

## Planned Features:

As an anonymous user I want to see the posts in descending order from recent to old.

As an anonymous user I want to read the comments of a post.

As an anonymous user I want to see other people's profiles.

As an anonymous user I want to register an account.

As a user I want to update my profile.

As a user I want to make a post.

As a user I want to comment on a post.

As a user I want to like a post.

As a user I want to dislike a post.

As admin I want to delete an insulting or in any way provocative post.

As admin I want to delete a user.

## Pages:

admin_panel.php	: Displays all posts, admin can delete a post or a user.
comment.php	: Displays all comments of a post. Logged user can add a comment.
connect.php	: Establishing a connection with the database.
functions.php	: Functions which will be shared between files.
home.php	: Home page. Displays all posts in descending order. User can login or register. Logged in users can comment, like or dislike a post.

like_dislike.php	: Adds user to likes Table. If he is already present removes him. Removes him from dislikes if present. Adds user to dislikes table. If he is already present removes him. Removes him from likes if present User can't like and dislike a post at the same time.
login.php	: Displays the login form. Acquires email and password. Starts a new session.
logout.php	: Logs user out and destroys the session.
post.php	: Logged user can write and publish a post.
profile.php	: Logged user can update his first name, last name and upload a profile photo. Anonymous user can see profile of other users.
register.php	: Displays a register form, acquires first name, last name, password and email address. Creates a user account if it's not already existing.

## File upload use:

Users will be able to upload a photo for their profile. This functionality will be available in the update profile page. The formats which will be supported are .jpg, .png and .bmp. The uploaded files will be saved in the media folder. For each user will be created a subfolder to hold his profile photo. The name of the subfolder will be an md5 hash string of the user email address, to avoid collisions and make it a little bit difficult, to identify a user, by just looking in this folder.

## Access restrictions:

Everybody can visit the homepage and read the posts from recent to old.

Everybody can visit the register page and create an account.

Everybody can visit the login page and log in if he has an account.

Everybody can see a user's profile.

Everybody can see the comments of a post.

Only a logged in user can visit the update profile page to upload a photo or change his credentials.

Only a logged in user can visit the create post page and publish a post.

Only a logged in user can visit the create comment page and comment on a published post.

Only a logged in user can like or dislike a post on the home page.

Only an admin can visit the admin panel page.

Only an admin can delete a post.

Only an admin can delete a user.