

Picture Publishing Service

Overview

The client needs a website where registered and logged in users can upload pictures for acceptance or rejection. An administrator will login and review all submissions. Accepted pictures will be assigned a URL which can be accessed by all users (without login). Rejected pictures have their pictures removed but the metadata remains.

Detailed Requirements

- End-users can register.
 - Registration information: email address, password
- Landing page shows all accepted pictures' URLs
 - NON-logged in users can click on the links to see the pictures
- Logged in users can upload a picture along with following fields:
 - description
 - category
 - only three fixed categories: living thing, machine, nature
 - attachment (up to 2 Mb) (jpg, png, gif only)
- An administrative user can login to a separate admin page
 - built-in admin with username "admin" and password "admin123"
- Administrative user sees list of uploaded pictures
 - list of all uploaded, unprocessed pictures
 - anything that was accepted or rejected does not show up here
- Admin can select a picture to process it
 - opens a new page showing description, category, picture dimensions, and displays picture
 - has two buttons "Accept", "Reject"
 - if "Accept" is pressed, a URL is autogenerated for that picture, and can be displayed on the Landing page
 - if "Reject" is pressed, the picture file is removed from storage and the data record marked as Rejected

Nonfunctional Requirements

- the backend database should be an open source standard SQL variety of PostgreSQL
- must provide scripts for deployment and running unit tests

Expected Deliverables

- The entire project: code and database
- REST API documentation (Swagger preferred but anything clear is fine)