

Milestone 2

Specifications

Functional

- Users will need to register with their name, unique username, and password.
- Each user will have a public gallery in which they can share to anyone with a link.
- Each user will have their own set of galleries that they are able to create & organize.
- Gallery feature with a lightbox styled viewer.
- Full featured database with built in integrity checking.
- Galleries must be downloadable by the users.
- Account resets need to be possible to ensure users aren't locked out of their account.
- Administrators will be able to reset accounts and choose images for the main page slideshow.
- The uploading of large images (>1 gigapixel or 32,768 pixels in width & height) will be provided for with the chunking and storing of the image possibly being automated.
- Viewing large images (>1 gigapixel) will be provided through a large image viewer with zooming and panning capabilities.
- Large images will be automatically stitched together for the viewer.
- Streaming the portions of the large-scale images may be required in order to view while it loads.

Non-Functional

- Security for the database involving all interactions is paramount. Properly encrypted, hashed passwords for all users and, accordingly, proper permissions must also be set.
- Data safety must be considered. Backups on a regular, automated process if possible.
- Performance will be important. Loading of images & galleries needs to be quick and the viewing of large-scale images will need to be efficient.

Scrape

Galleries

HomeBrowseAbout us

Private Gallery

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

IMAGE

Account name

Logout

Highlights and Random Pictures from other Public galleries

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Basic Storyboard

Basic idea for Frontpage and a Public Gallery page.

