Milestone 2

Specifications

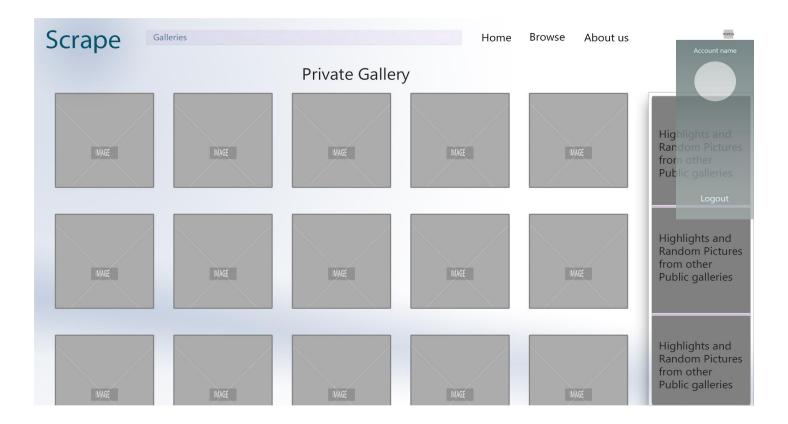
Functional

- 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.

Proof of concept



Basic idea for Frontpage and a Public Gallery page.

