

Project Milestone 4: Group 101-7

Revised List of Features (note: priority level based on order of list)

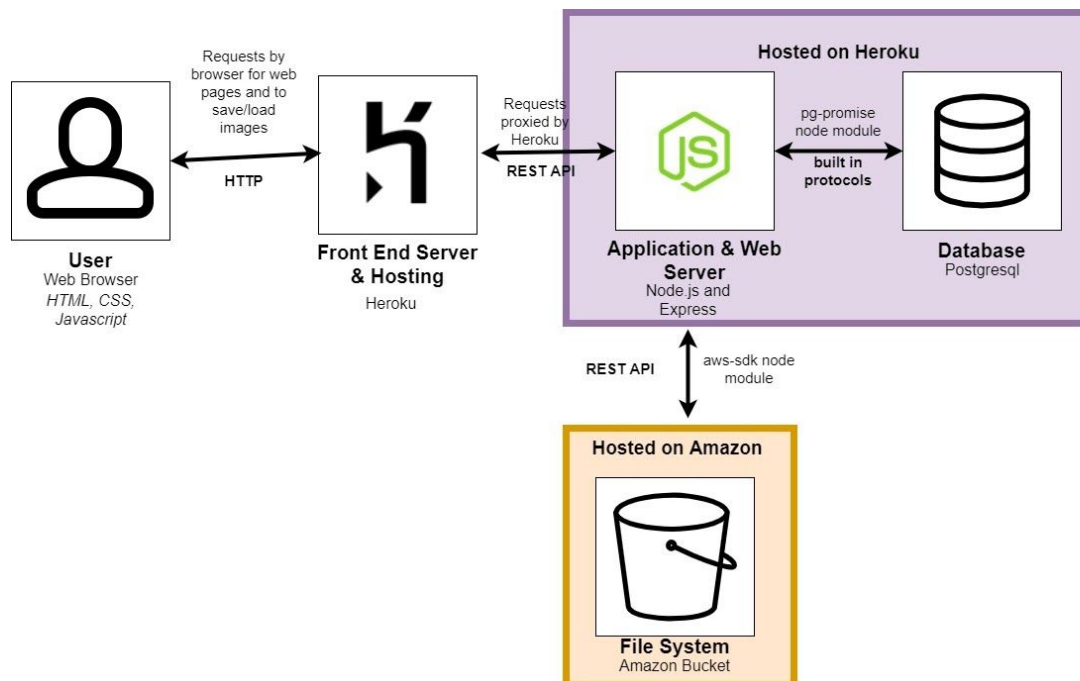
Features added:

1. Improved Cloud Gallery
 - a. Using feedback from our demo, we plan to implement Amazon's S3 bucket to store our images rather than having them on a web server.
 - b. This change will make saving more efficient.
2. Filters
 - a. We are planning to implement more filters, using fabric.js which will add more to our current collection.
 - i. *Basic Filters added:* Invert, Saturate
 - ii. *Advance Filters:* Animations?
3. Gallery Features
 - a. Users are able to hover over images and see what filters have been applied.
 - b. Images will be enlarged when the user hovers over the image.

Features dropped:

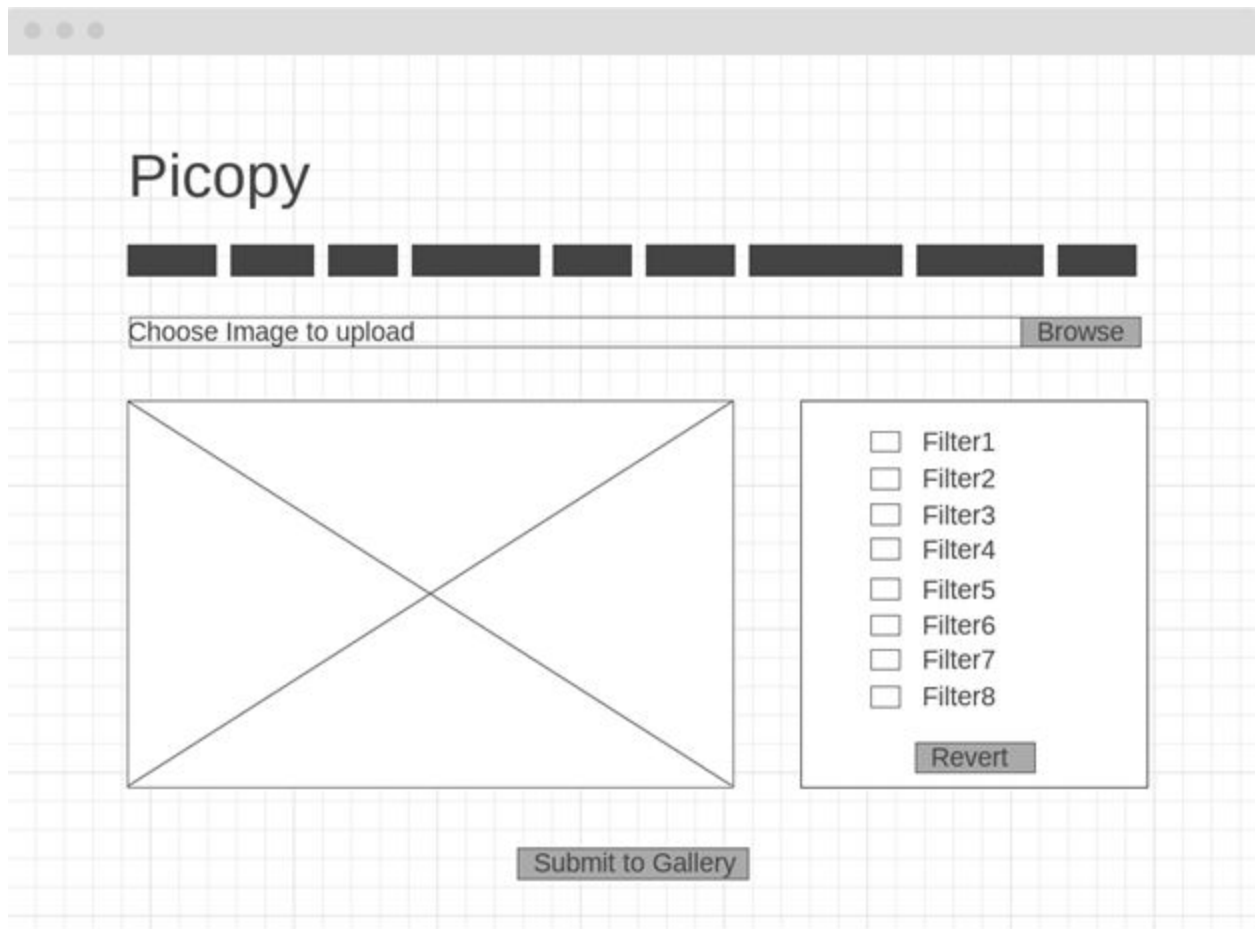
1. Saving the current editing section

Architecture Diagram:



Front End Design

Home/Upload Screen



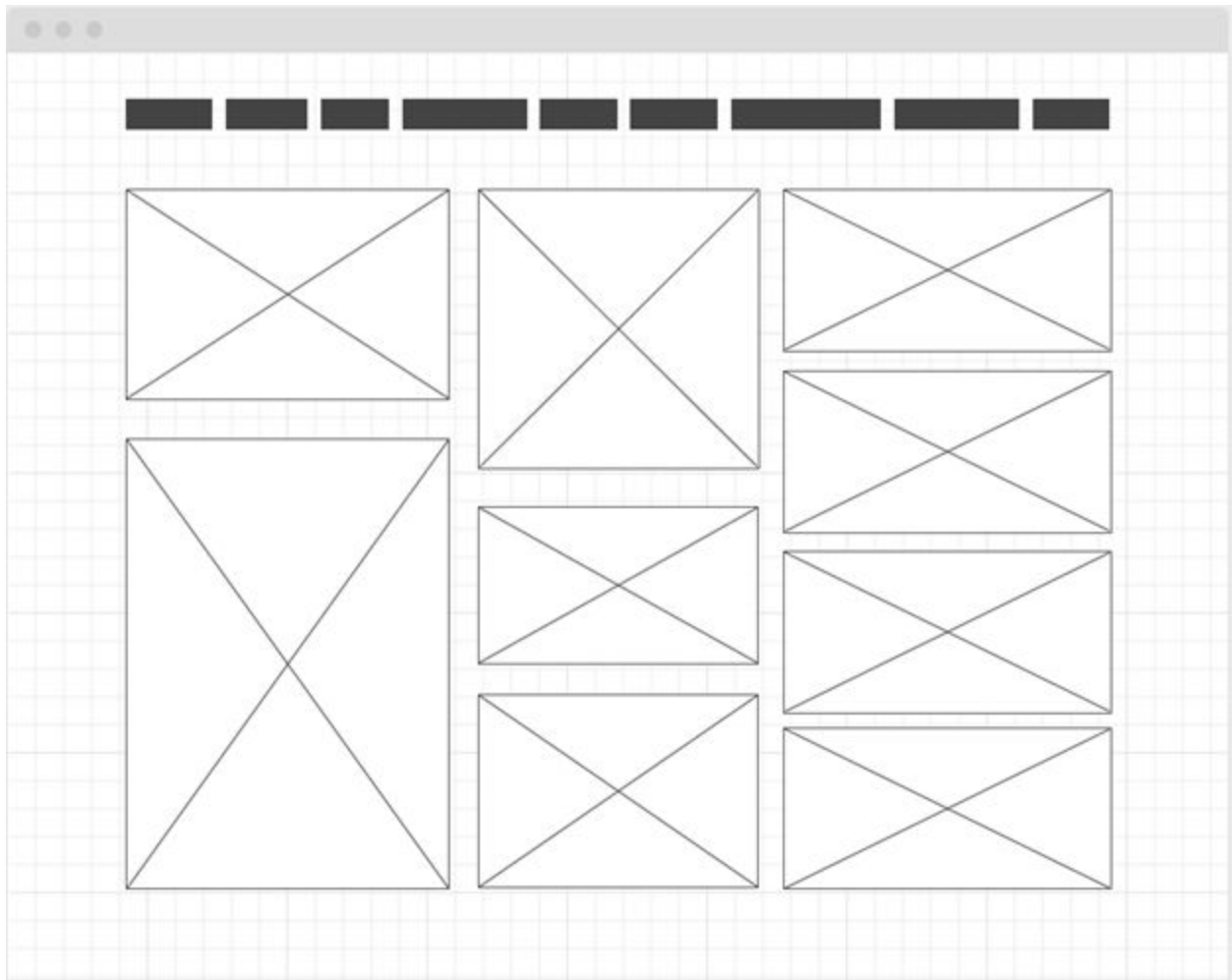
The image shows a wireframe for a web application's 'Home/Upload Screen'. The interface is set against a light gray grid background. At the top, there is a dark gray header bar with three small white circles on the left. Below the header, the word 'Picopy' is displayed in a large, bold, sans-serif font. Underneath the title is a horizontal row of ten black rectangular bars of varying lengths. Below this row is a text input field with the placeholder text 'Choose Image to upload' and a 'Browse' button to its right. In the center of the page is a large rectangular area with a diagonal cross, indicating where an image will be uploaded. To the right of this area is a panel containing eight checkboxes, each followed by a label: 'Filter1', 'Filter2', 'Filter3', 'Filter4', 'Filter5', 'Filter6', 'Filter7', and 'Filter8'. Below these checkboxes is a 'Revert' button. At the bottom center of the page is a 'Submit to Gallery' button.

Picopy

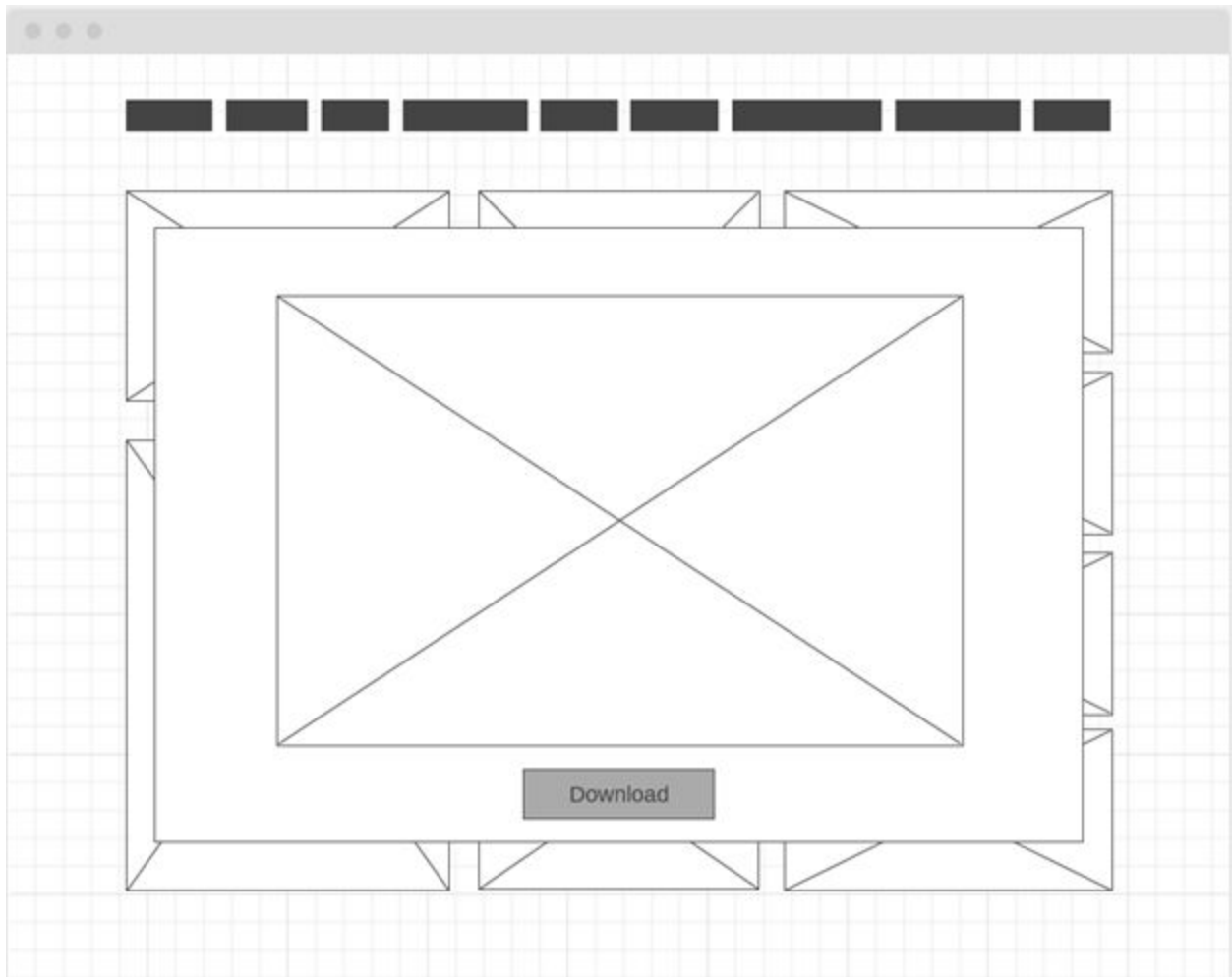
Choose Image to upload

☐ Filter1
☐ Filter2
☐ Filter3
☐ Filter4
☐ Filter5
☐ Filter6
☐ Filter7
☐ Filter8

Gallery Page:



Gallery Page Image Selected:

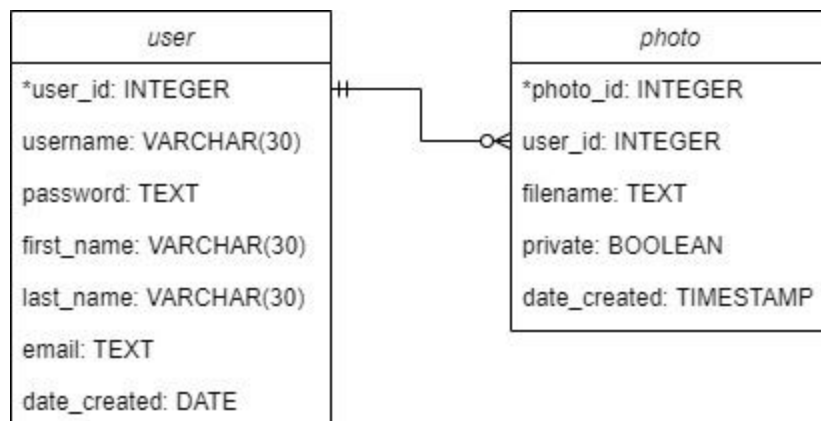


Web Services

Amazon S3

- Picopy uses Amazon S3 to store it's images
- Utilizes the REST api through Amazon's custom aws-sdk node module
- Data Passed: Images to be stored by the users
- Data Received: Images loaded for the gallery page.

Database Design



Database Tech: PostgreSQL