

George Eliot Archive Social Network Improvements

User Manual

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*All sections of this report were composed collaboratively between Tanner Finlay and David Braswell

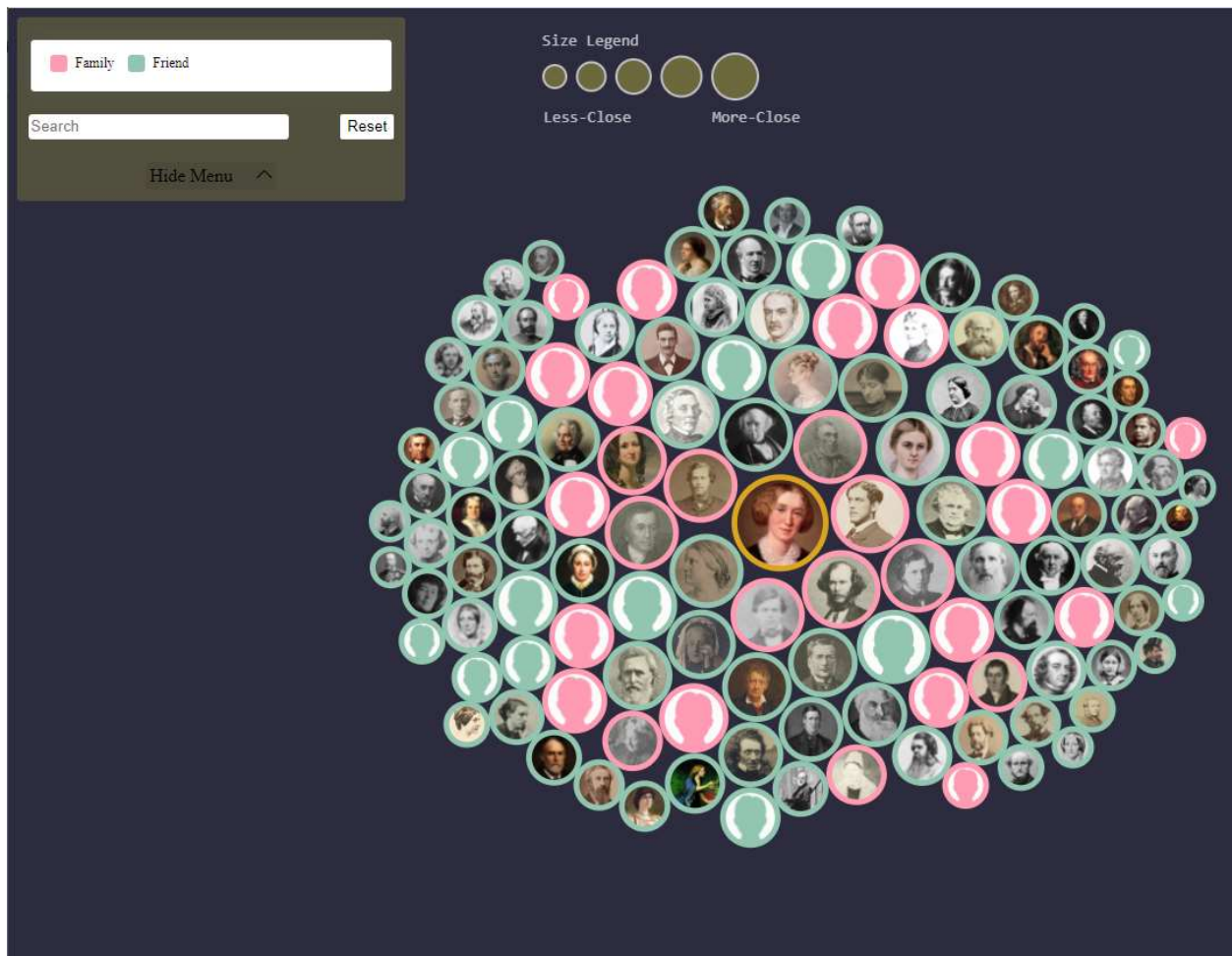
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1. Executive Summary

In this guide you will find important information related to the George Eliot Archive's Social Network feature and its operation. This social web visualizes George Eliot's relationships with friends and family members in this interactive social network display, sometimes called a relationship web or a personography.

<https://georgeeliotarchive.org/relationship-visualization>



Notable project changes include:

1. Updated the relationship web dynamically with up-to-date information when you alter the item/description of a person in George Eliot's social network.

2. Migrated this map off GitHub and hosted it on the archive itself as a page component.
3. Linked to Wikipedia/biography pages for individuals referenced within the social web if applicable.
4. General bug fixes and improvements.

The purpose of this document is to inform potential users about how to use, navigate, and maintain this web application.

2. Navigation

For those with administrative privileges, you will need to be able to edit information behind the scenes. To do this the user will need access to the simple page on which the web is embedded and the backend cPanel file server. Below you will find instructions on how to navigate to both web locations.

From the admin home page:

<https://georgeeliotarchive.org/admin/>

Navigate to “Simple Pages” then locate “George Eliot’s Social Network” and click edit. From here you can view all html code that references the web and the

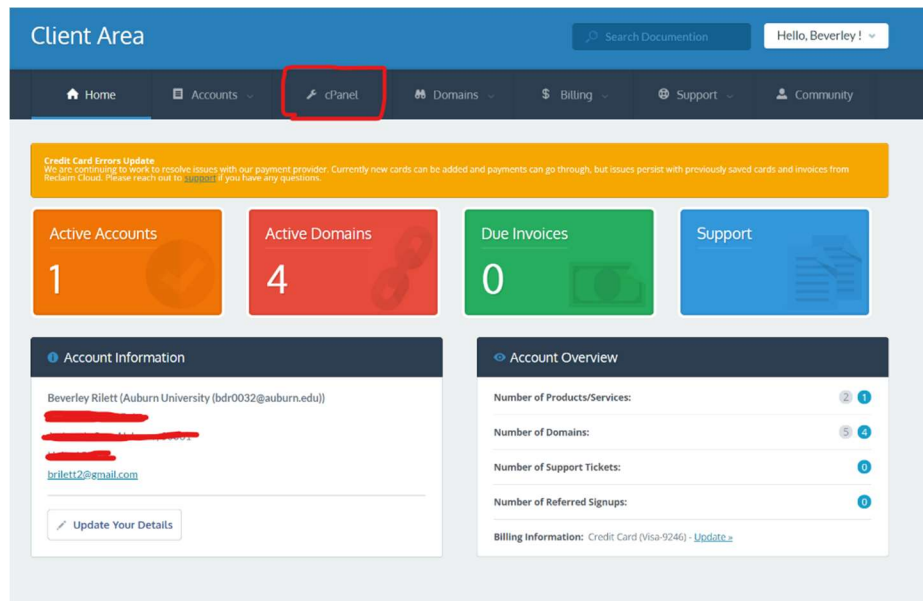
The screenshot shows the 'Simple Pages | Edit "George Eliot's So...' interface. At the top, it states: 'This page was created by lxs0101 on 1/14/22, 6:16 AM, and last modified by mtf0024 on 12/5/23, 2:54 AM.' The form includes fields for 'Title*' (George Eliot's Social Network), 'Slug' (relationship-visualization), and 'Use HTML editor?' (checked). The 'Text' field contains the title 'George Eliot's Social Network' and a paragraph of text about visualizing George Eliot's relationships. On the right, there are buttons for 'Save Changes', 'View Public Page', and 'Delete', along with dropdowns for 'Parent' (George Eliot Projects) and 'Order' (0). A 'Publish this page?' checkbox is also present and checked.

collection below. Images seen below the web were hard coded here with their file names as references.

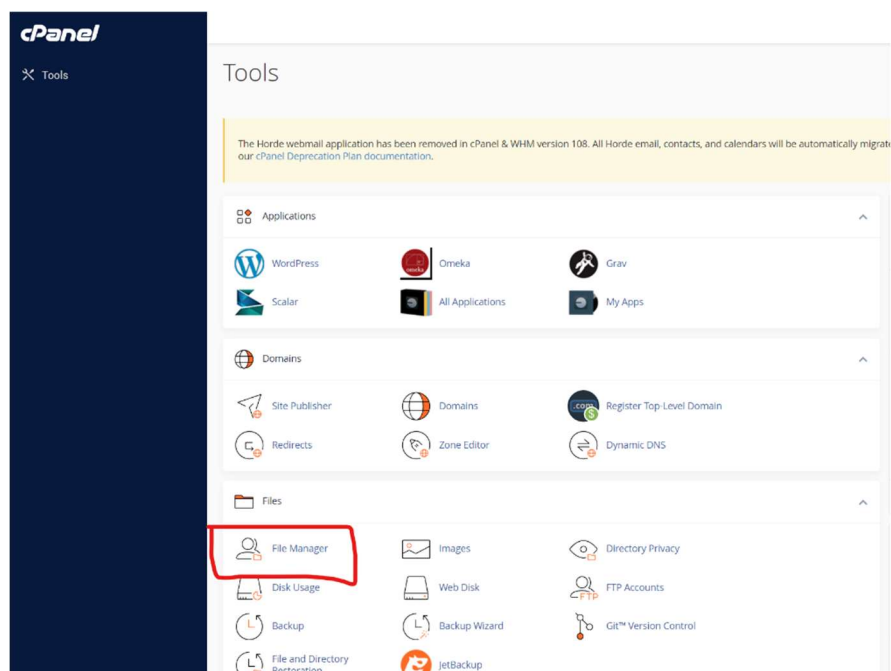
To navigate to the file hosting backend, first login at

www.reclaimhosting.com

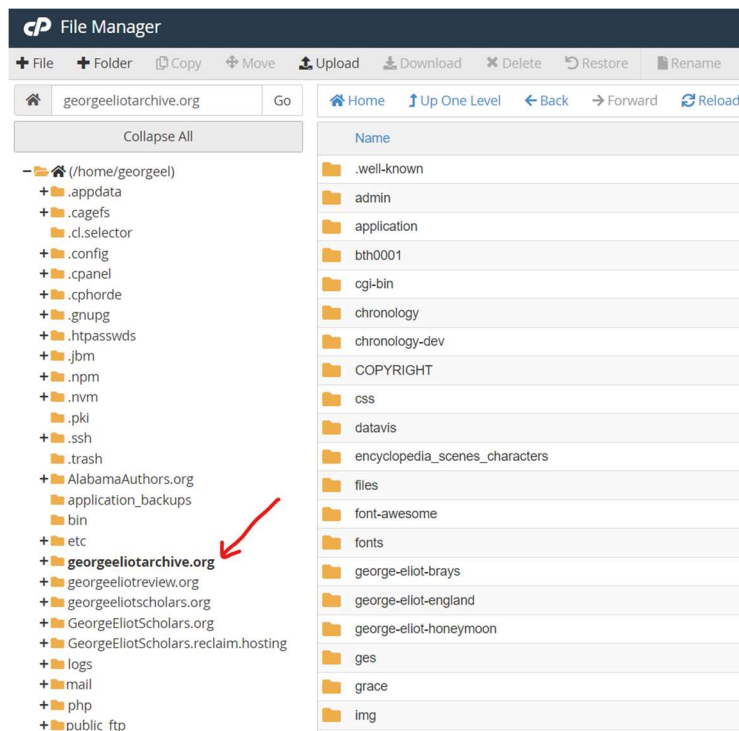
and navigate to cPanel.



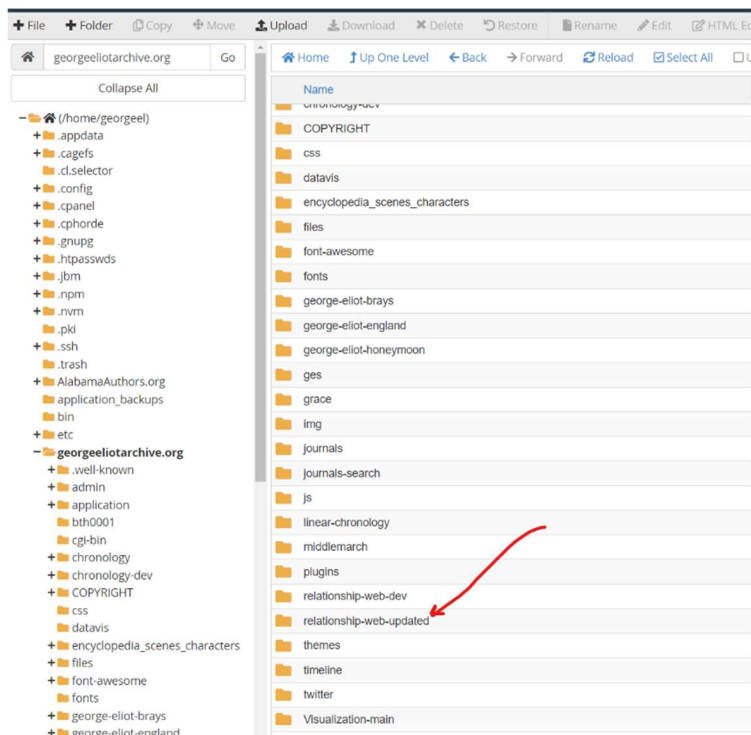
Find “File Manager”,



and then navigate to georgeeliotarchive.org:



and finally, “relationship-web-updated.” This is where the Social Network files are stored.



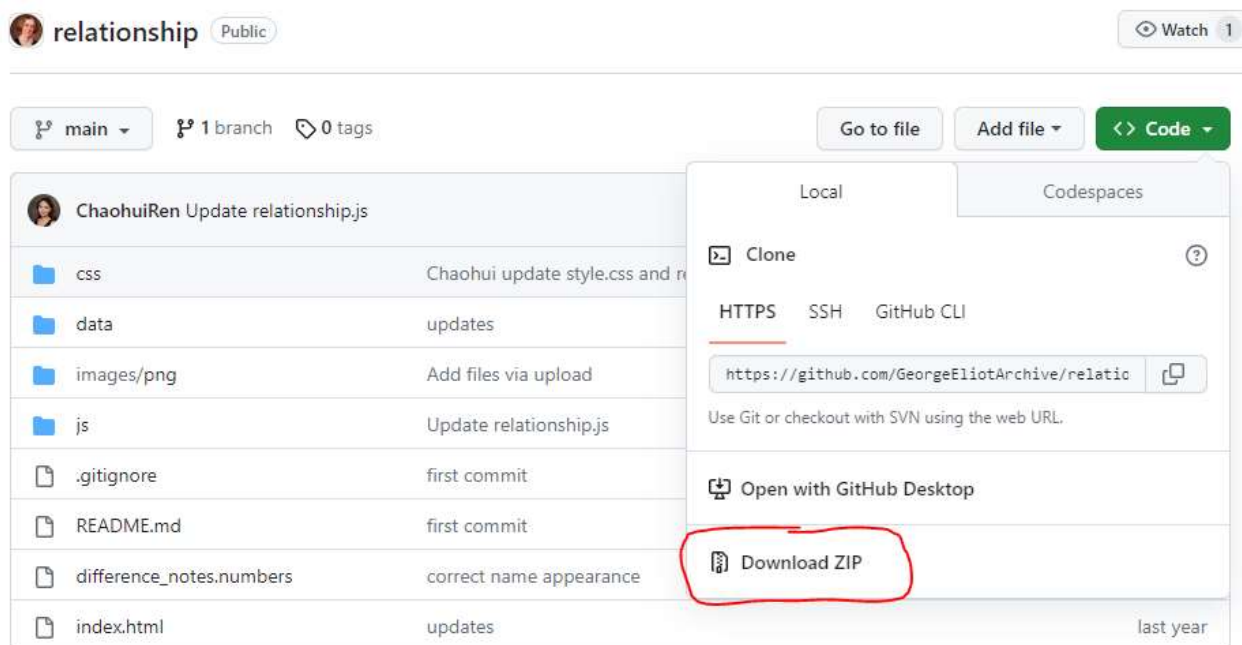
3. Version Control

In the case newer versions of the social network relationship web are developed and become available, there will be a need to update the version on Omeka. Fortunately, this is trivial.

To begin, navigate to the github repository located at:

<https://github.com/GeorgeEliotArchive/relationship>

Then, click “code” and “Download Zip”:



Extract this zip file wherever you want, then navigate to the “relationship-web-updated” of the backend file server. See **2. Navigation** for details. Next, very carefully delete the contents of the “relationship-web-updated” folder and replace with those extracted from the zip file. WARNING: If you do this step incorrectly, the web will break and those files will not be able to be recovered. Use caution.

4. Updating Data

The Social Network feature was created in JavaScript and uses the D3.js library. The data for the members is stored in multiple csv files and has entries for relevant information regarding the person's relationship to George Eliot. The archive uses a combination of JS, HTML, and PHP, with CSS for styling. No deep database altering is required since collections of .csv files are used.

JavaScript's Fetch API was used to download the Relationship Web Member Collection from Omeka's API endpoint. This gave us the information we needed in JSON format. Because we needed specific information from the JSON file, we made a function that retrieves the desired data, and stores it into an array of objects that we then could write to a csv file.

Unfortunately, not all required data is able to be pulled from the collection API. Such information includes closeness, relevant links, image file names, gender, and relationship (family/friend). As it turns out, these values don't ever need to be changed. This presents us an opportunity to create a new csv, titled `staticData.csv`, filled with information that should not be updated with every API call. We then retrieved both spreadsheets separately and combined them into one data structure.

4.1 Replacing Images

To update images in the social web, the user will have to:

1. Download each image.
2. Find the "Image" column of the `staticData.csv` file and rename them exactly the same as the preexisting one.
3. Upload them to *relationship/images/png* in the repository, replacing the outdated ones.

The naming conventions are very important, as the code uses the "Image" column file names to reference which file to pull.

4.2 Replacing Static Data

The only data that needs to be manually updated is that in the staticData.csv file. This is as simple as editing the file and saving it back to the repository. Wiki links are to be pasted in the staticData csv under the “Links” column. Those with more than one link should have them delimited with a space and they will be added one at a time as html components.

5. Contact

For further information, please email Dr. Beverley Rilett at bdr0032@auburn.edu for all concerns.