

METADROP
User Documentation
V.1

Introduction

Metadrop is an online application that allows users to upload, download, and edit metadata files formatted in JSON. This application is geared toward metadata obtained from social media for research and analysis purposes. The full documentation of its set up and end user instructions is included below.

Software and Applications Needed

1. Amazon Web Service account (AWS)
2. EC2 Ubuntu instance hosted on AWS
3. Firebase
4. Notepad++ and Sublime text editors
5. GitHub
6. Google Docs / Google Drive
7. FileZilla
8. Google Cloud Storage Bucket

Deployment

To begin we used an Amazon Web Service account (AWS) to host our web service. We had originally made an EC2 Microsoft instance, but eventually changed to an Ubuntu instance, because it is easier to debug log files from a Linux as opposed to a Microsoft service. We had also began with an Elastic File System to hold our JSON file in the database, but we found we didn't need this because both MongoDB and Firebase hold JSON files. We then used FileZilla to upload our web pages to our AWS instance. We decided to change from a MongoDB to a Firebase database, because it is easier to handle state across the site with JSON and JavaScript as opposed to PHP. Firebase is a NoSQL database like MongoDB. We used Github to collaborate on code within our branches to push and pull code, and to create our Markdown document within the readme file. We also used Google Docs and Google Drive to share our requirements documents and sprint information. We decided to use a Google Cloud Storage Bucket to hold the JSON files for the database.

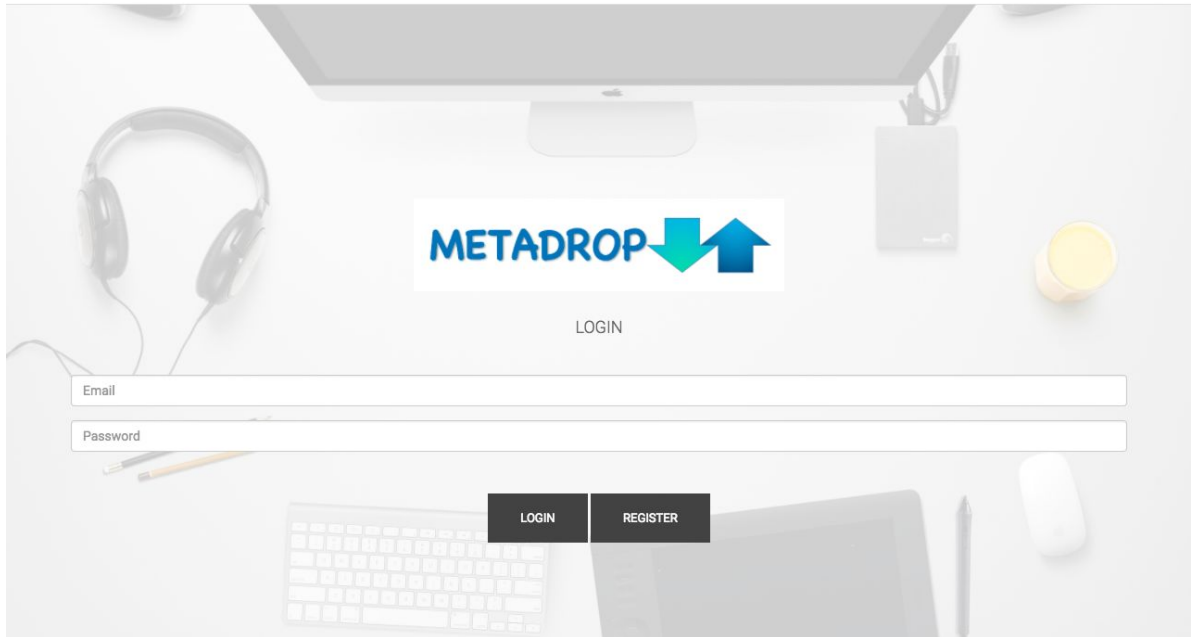
End User Tutorial

1. Accessing the website:

In order to access Metadrop, the user will need to access <http://ec2-35-163-197-29.us-west-2.compute.amazonaws.com/index.html> . This will take them to the Login/Register page.

2. Login/Register Page

The Login/Register page is shown below. This page allows the user to register by entering their email and desired password. Once this has been accomplished, the user can then press register. A confirmation will appear, and the user can then click login to log into their account. If the user is a returning user, they can simply enter their username and password and click the login button. After the user clicks “login”, they will be taken to the **landing page**.

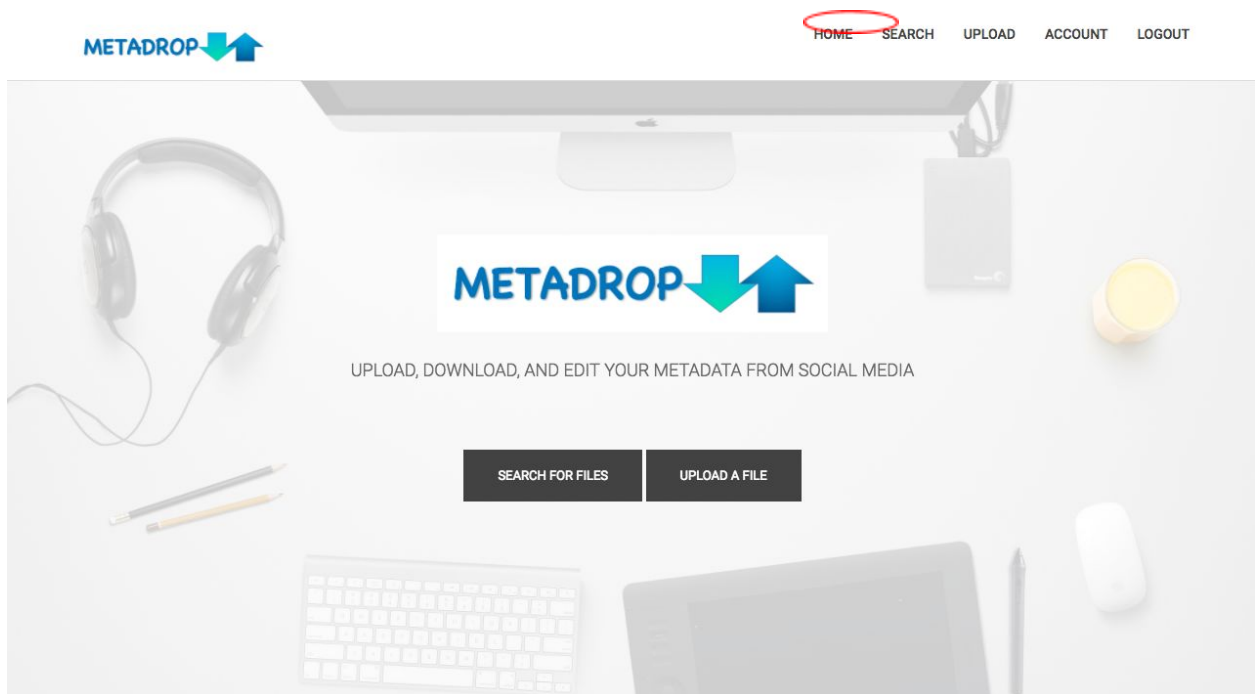


3. Landing Page

The landing page is the welcome page for the user. You will see this both if you are a normal user or an admin. At any time, the user can return to this page by clicking on the **Home** button found in the top right corner (circled below).

From this page, the user can perform a number of tasks. The first to be discussed will be **searching for files**, which can be accessed by clicking on the

Search For Files button or the **Search** tab in the upper right hand corner.



4. Search for Files

When the user arrives at this page, they have the option to search for metadata files already in the system. The user can search by title or author, which is determined by clicking on the desired filter tool, as circled below. Once the user types in their search words, they can click the **Search** button, and the results will be displayed below in **Search Results**.



5. Search Results

This page is a continuance of the **Search for Files** page. On this page, the user will be provided with a number of results from their search in a list format. Each result

will give the user the option to view and edit the JSON file. If the user is an admin, they will also be given permission to delete the file. The admin can simply click on the the trash icon to the right of the result, and the file will be deleted. The user can view and edit the file by clicking on the pencil icon on the right side of the result. They will then be taken to the View/Edit page.

IMAGE TO BE INCLUDED LATER

6. View/Edit Page

This page allows the user to both view and edit the content of the metadata JSON file. On this page, they have the ability to edit the title, author, JSON code, and provide comments. Once the user is satisfied with their reading or editing, the user then clicks on the **Submit** button (circled below). This will save their changes and return the user to the **Search for Files** page with a success message.

METADROP

HOME SEARCH UPLOAD ACCOUNT LOGOUT

MODIFY FILE

Title

Author

Add Comments:

Submit

7. Upload a File

The upload file page can be accessed by clicking on the **Upload** tab in the top right corner or by clicking on the **Upload a File** button on the Landing page. Here, the user can enter a title, author, and then upload a JSON file to be entered into the system. The user can choose a file by clicking **Choose File**. They will then be presented with a file explorer box and can choose the appropriate file. Once they are satisfied with their selection, the user then clicks the **Upload** button. The user will receive a success confirmation and can then continue using the site.

UPLOAD FILE

 No file chosen

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8. Account

If the user wishes to view their account information, they can access this by clicking on the **Account** tab in the top right corner of every page. This page provides the user with their email and password. If they wish to change this information, they can do so by clicking the **Edit** button (circled below). This will take them to the **Edit Account** page.

YOUR ACCOUNT


YOUR INFORMATION

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9. Edit Account

The page allows the user to edit their information. They can change both their email and password, which will be updated in the system. Once they are satisfied with

their changes, the user can then press submit. They will receive a success message and be returned to the **Account** page.

HOMESEARCHUPLOADACCOUNTLOGOUT

YOUR ACCOUNT

EDIT YOUR INFORMATION

Submit

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10. Logout

In order to logout of their account, the user will need to click on the **Logout** tab, located in the top right corner of every page. This will take them back to the **Login/Register** page.



This is the end of the user manual.