User Documentation:

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Introduction:

- PaperView is a method of storing, sharing, and building datasets pertaining to research on the topic of online human interaction. Utilizing the creation of manifests, Paperview consists of a searchable database and UI that allows users to easily store and share their own data while also searching for research projects and datasets that could potentially be applicable to their own studies.

Glossary:

- Manifest:
    - A manifest is formatted document that contains the important details regarding a particular research project. This details include the project title, authors, a description of the project, and the related data sets uploaded with the project.
- Data Set:
    - A data set is simply a collection of data. Data sets are associated with specific research projects through the project manifest.
- Research Project:
    - A research project in regards to PaperView is an investigation into some form of online human interaction. Research projects are detailed through a manifest and can utilizes many data sets.
- Fields:
    - Attributes of the website where the user inputs information

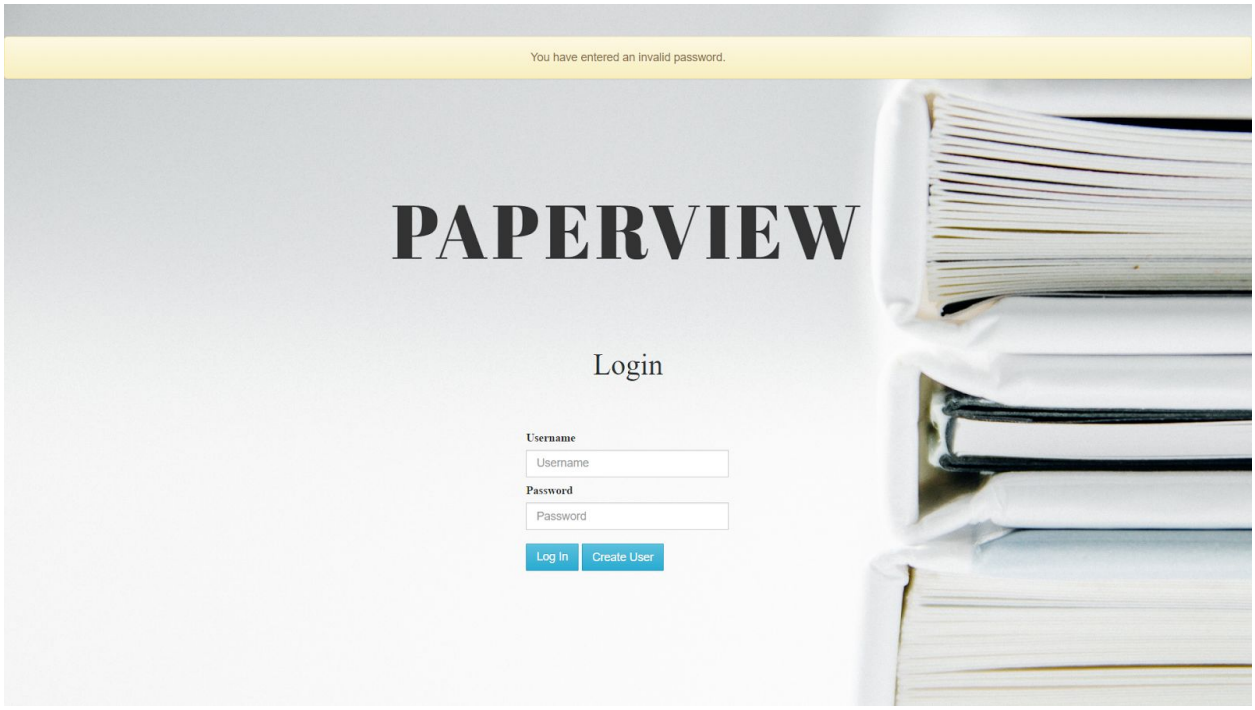
- Navigation Bar:
    - The navigation bar is the bar located at the top of each page that contains button for each option that the user has. Also referred to as a “nav bar” the contents of the navigation bar depend on the type of the user logged in.

User Abilities:

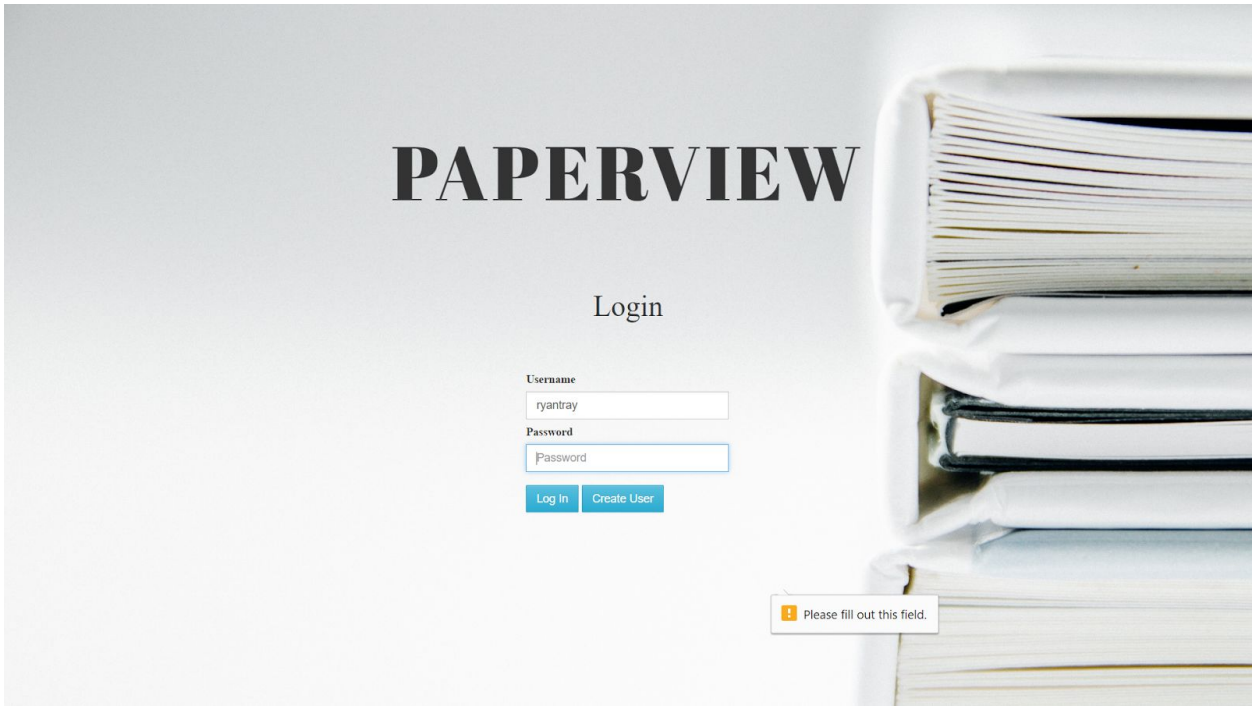
- Paperview is available for use only to registered users. Users can be of two types with their own respective abilities. Users granted the type “student” are defined as “students who are not working on any sort of undergraduate/graduate research”. Students can search the database and download manifests and data sets in order to conduct individual research such as for a class project. Users granted the type “Data Scientist” are defined as “an individual that is working as part of a team for an official research project”. Data Scientists, like students, can search and download but can also create new projects, create and upload manifests, upload data sets and contribute to existing data sets.
- Admins make up a second category of user type. Users cannot become admins without the permission of another admin. Admins have all of the same abilities as data scientists but they can also ban users or make users admins.

How to: For any questions about how to operate specific portions of the website see below

- Logging in:
    - Upon first navigating to the website the user will be directed to the Login page. Existing users can input their username and password and press the “Log in” button. If the information entered is valid then the user will be directed to the homepage. If the information entered is invalid then the user will receive a prompt stating that “You have entered an invalid username” or “You have entered an invalid password”.

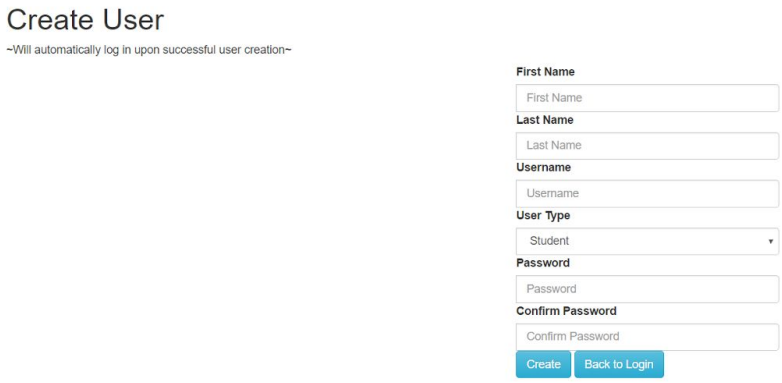


- Failure to input information into either the Username or Password field will result in a prompt indicating the empty field and stating “Please fill out this field”.

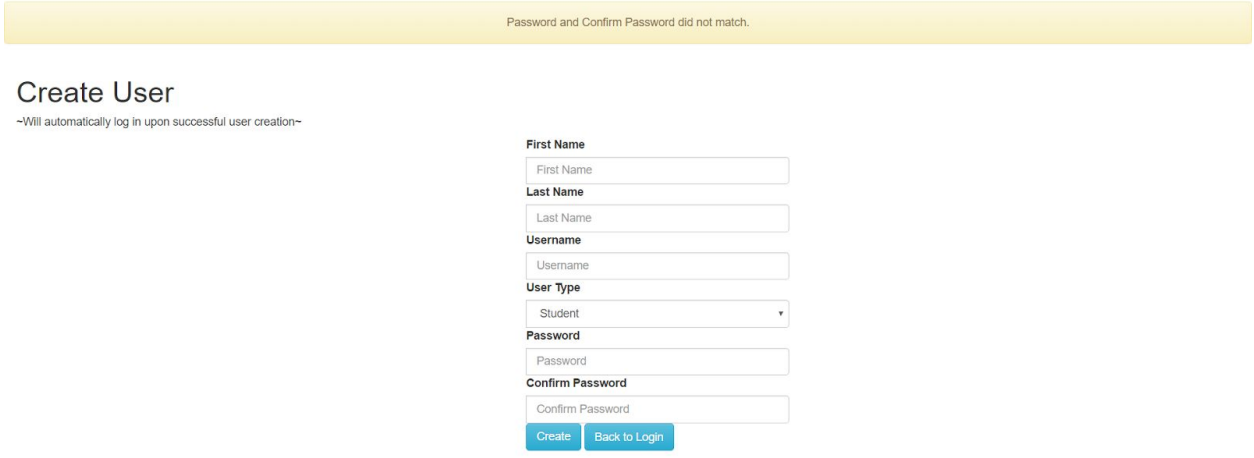


- If visitor to the site is not already a registered user then clicking the “Create User” button will redirect the visitor to a page where they can create an account.

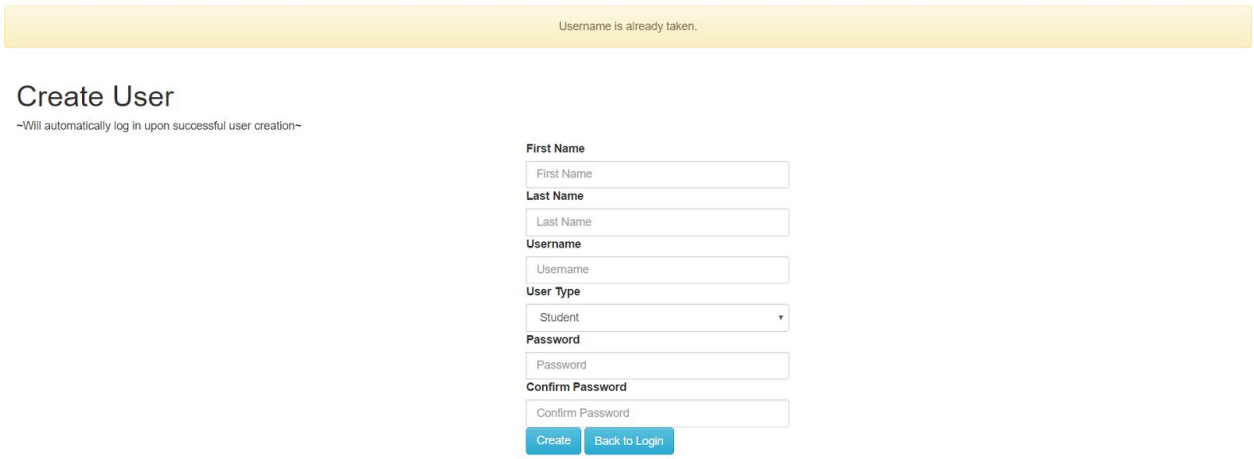
- Creating a new user account:
    - Filling out all of the fields provided will create a user and log the user into the website and redirecting the user to the homepage.



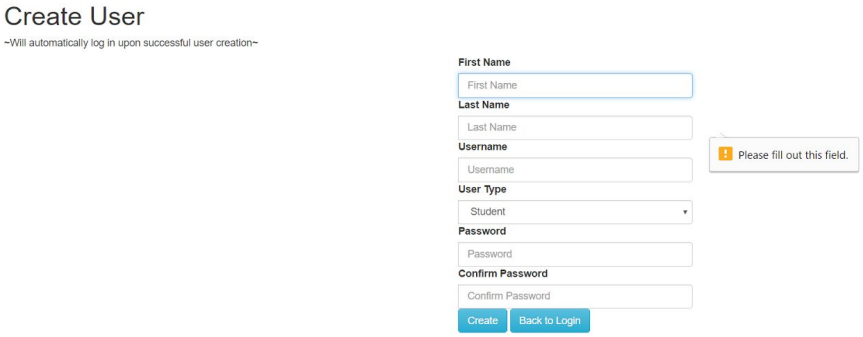
    - Failure to input matching passwords into the “Password” and “Confirm Password” fields will result in a prompt stating “Password and Confirm Password did not match”.



- Entering a value into the username field that is already in use for another users username will result in a prompt stating “Username is already taken”.



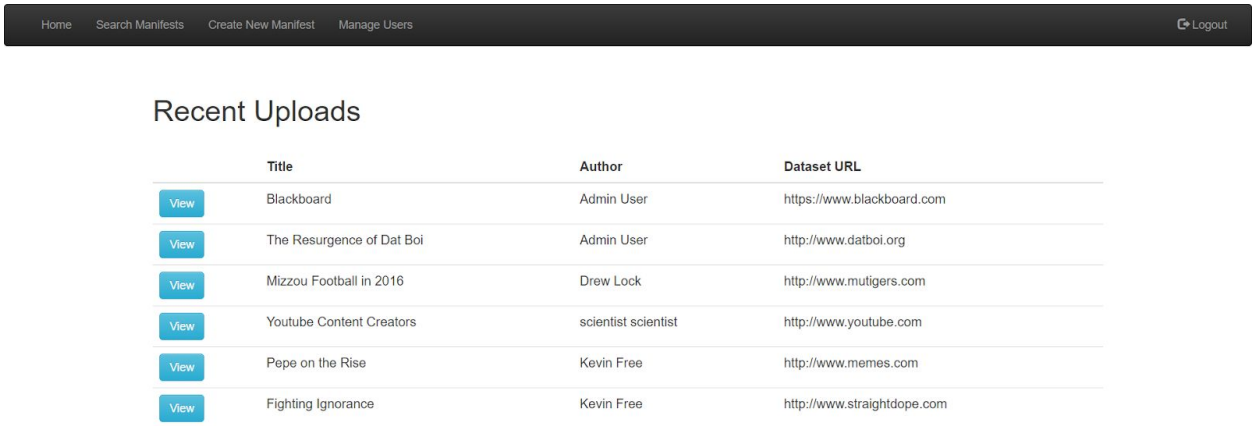
- Failure to fill out all of the fields will result in a prompt indicating a specific empty field and stating “Please fill out this field”.



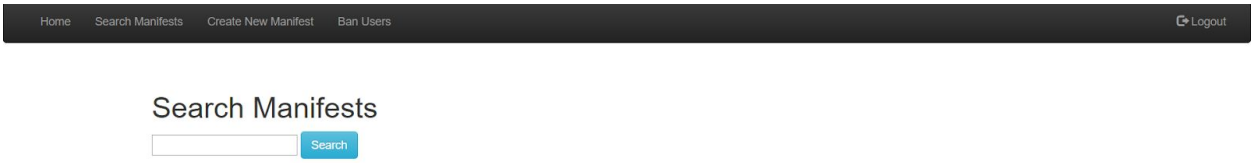
- Navigation bar: The navigation bar is present on every page except the login and create user pages.
    - The navigation bar is present on every page except the login and create user pages. The navigation bar serves as the main way for the user to move about the website.
    - Users of type student have three options on their navigation bar:
        - Logout: Clicking “Logout” will end the user’s session and redirect the user to the login page.
        - Home: Clicking “Home” will redirect the user back to the home page.
        - Search Manifests: Clicking “Search Manifests” will redirect the user to the search manifests page

    - Users of type Data Scientist have the same options as student but also gain the “Create New Manifest” button which will redirect to the Create New Manifest page.

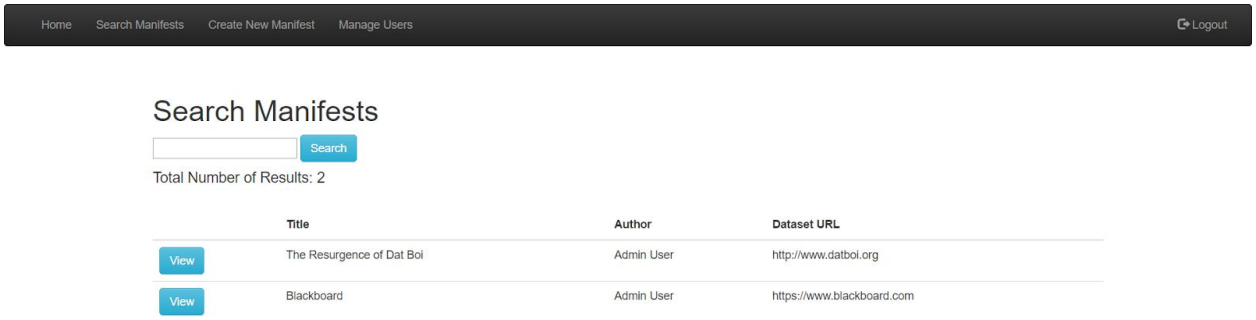
- The Home Page:
    - Upon a successful login the user is directed to the home page. The home page is the central page for the website and the content of the home page depends on the type of the user logged in.
    - Users of type student will see a picture of a dolphin
    - Users of type data scientist will see a list of all of the manifest that the user is listed as an author of in order of the most recent edit.



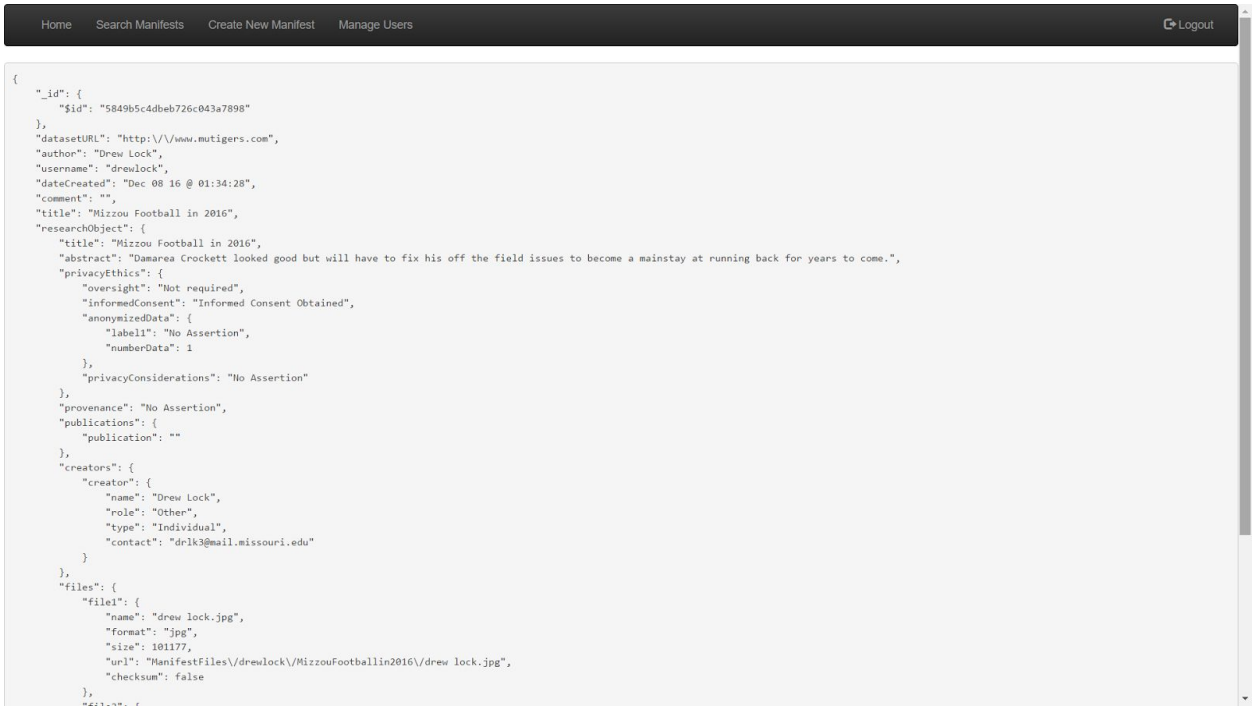
- Searching for manifest:
    - In order to search for a manifest the user must first click on the “Search Manifest” button in their nav bar. From there the user is directed to the “Search Manifests” page which contains a search bar where the user can enter in keywords to search for.



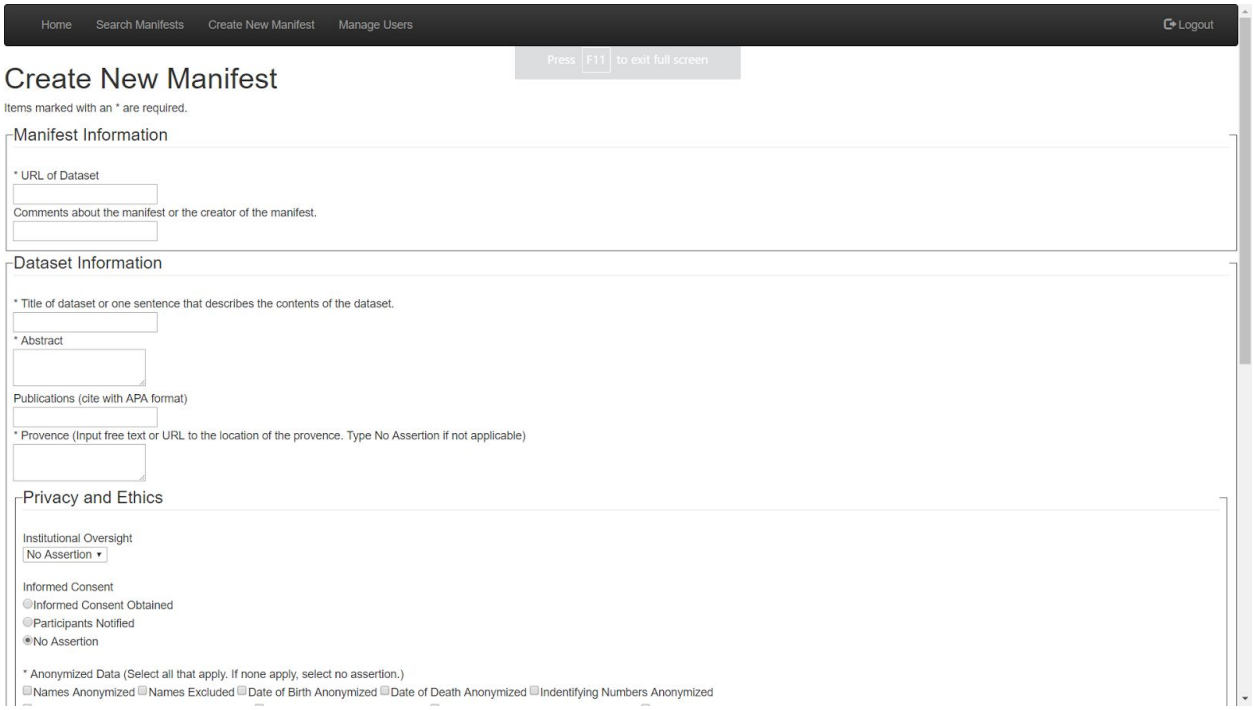
    - Failure to enter information into the search bar will result in a prompt stating “No values were inputted in the search field”.
    - A successful search will return a list of manifests that matched the words searched for by the user.
    - Clicking the “View Manifest” button will redirect the user to a page that will display all the information associated with the manifest that was adjacent to the “View Manifest” button that was clicked



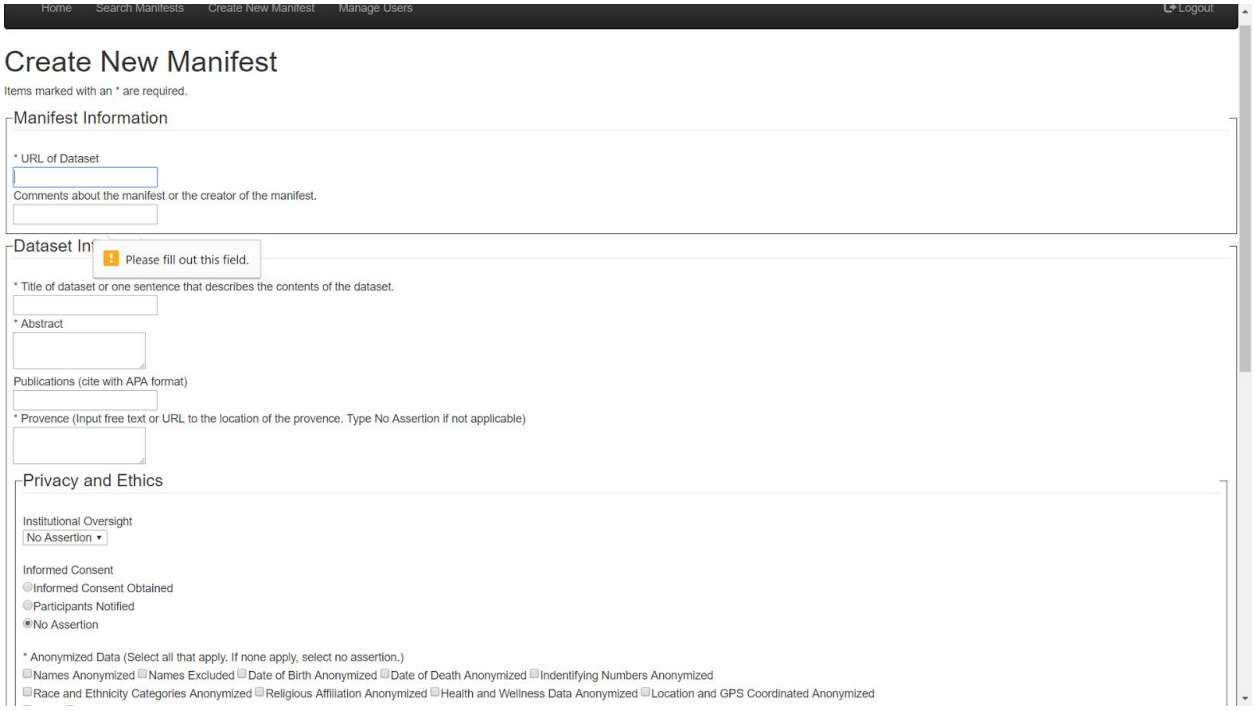
- Viewing manifests:
    - View a manuscript displays all the information stored in the manifest and gives the options to download any data sets associated with the manifest, to edit the manifest, and to delete the manifest



- Creating Manifests (only available to data scientists):
    - In order to create a new manifest and upload the new manifest as well as the relative data sets the user must first click the “Create New Manifest” button in the nav bar. This will direct the user to the “Create New Manifest” page.
    - The “Create New Manifest” page displays all the necessary fields for a complete manuscript. The user will fill in each field with the relevant data and use the “File” field to upload relevant data sets. Clicking the “Submit” button will store the manifest and its data sets on the database.

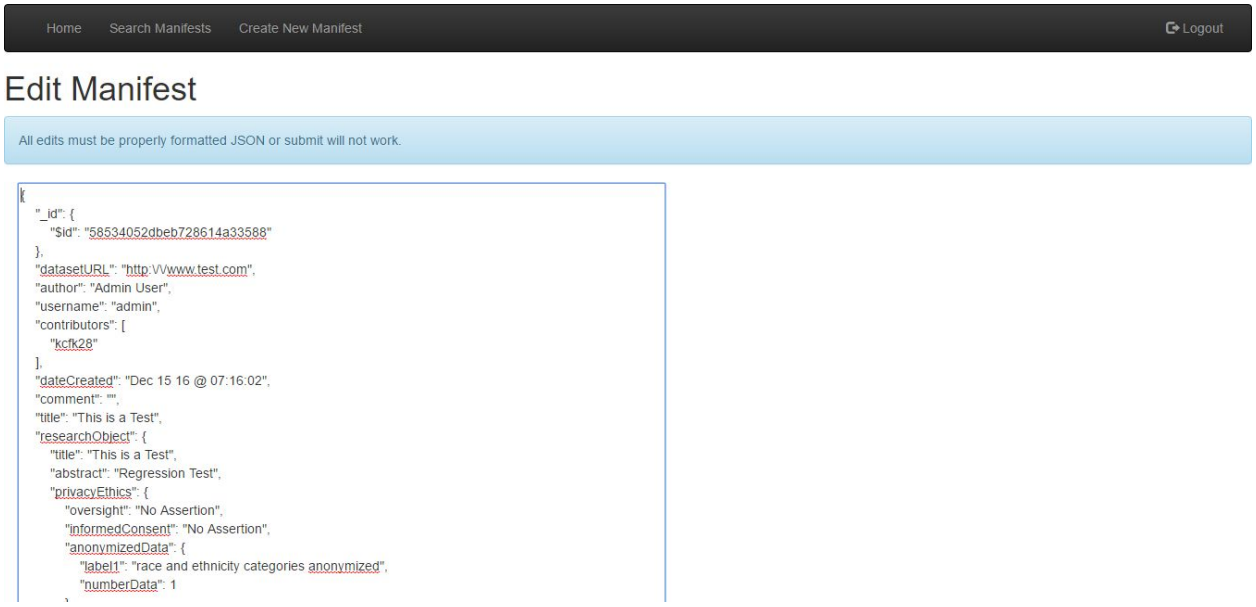


- Failure to fill out all of the fields will result in a prompt that indicates the field that needs to be filled out and reads “Please fill out this field”.



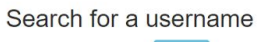
Edit Manifests:

- Clicking “Edit” from the view manifests page will direct you to the edit manifests page.
- The edit manifests page consists of the manifests you wish to edit pulled up in a text box, edits must be in properly formatted JSON and fields cannot be edited.
- Simply make the appropriate edits and click “Submit” to save your changes

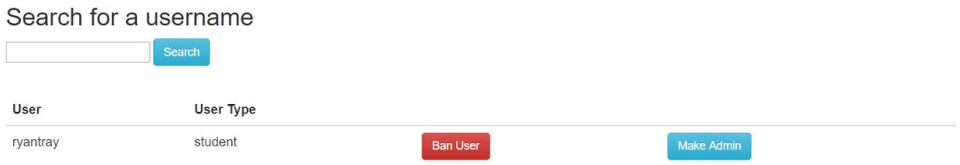


Admin Abilities:

- Admins have all of the abilities of a data scientist as well as the ability to ban users or make users admins.
- In order to accommodate this ability, admins have their own nav bar which includes a “manage users” button which will redirect the admin to the manage users page.



- The Manage users page works by searching for a username. If the admin searches for a valid username the page will return the user information and give the admin the options to ban the user or make the user an admin.



Conclusion:

- PaperView is an effective way to store and share research in a standardized format. The ability to search for keywords allows for easy access to information that otherwise would be impossible to find in one place while the ability to edit and delete research projects ensures that the database stays accurate and up to date.