

User Guide Documentation

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1. Introduction

Welcome to the User Guide for The Vrygrond Community Map! This guide is designed to help you navigate and utilize the features of our website efficiently. Whether you're accessing the website on your computer or mobile phone, we aim to provide a seamless and user-friendly experience. The Vrygrond Community Map is a free-to-use platform that allows you to search for organizations based on various categories and services offered. The website also features an interactive map that helps you visualize the locations of these organizations.

2. Getting Started

2.1 Accessing the Website:

To access The Vrygrond Community Map, simply open your web browser and enter the website's URL in the address bar. It can also be accessed through the ButterFly Arts Project website (<https://www.butterflyartproject.org/>).

2.2 Supported Devices and Browsers:

The Vrygrond Community Map is compatible with most modern web browsers on both computers and mobile devices. We recommend using the latest versions of browsers like Google Chrome, Mozilla Firefox, Safari, or Microsoft Edge for the best experience.

3. Searching for Organizations

3.1 Searching by Organization Name:

If you know the name of the organization you are looking for, type it into the "Organization Name" search bar. The autocomplete feature will provide relevant suggestions as you type, helping you find the desired organization quickly.

3.2 Searching by Services Offered:

For more specific searches, you can use the "Service" search bar to find organizations based on the services they offer. Type in the service name, and autocomplete will assist you in finding matching services.

4. Viewing Organization Details

After performing a search, you will see a list of organization names. Click on the name of an organization to view more details about it. Once you click on an organization, a drop-down menu will display its details, including address, contact numbers, contact persons, email addresses, and website.

5. Interacting with the Map

5.1 Locating Organizations on the Map:

On the left side of the screen, use the search bars to enter a category or service you're interested in. After entering your search query, a list of organizations that match the criteria will appear below the search bars. Click on the name of the organization you want to locate on the map. The map will display a pin icon at the exact location of the selected organization.

5.2 Viewing Organization Details on the Map:

Upon selecting an organization from the list, detailed information, including address, phone number, contact person, email address, and website, will be displayed below the search bars. The selected organization's information will also be available in a drop-down menu fashion below its name. To view the organization's location on the map, click on the pin icon next to the address. The map will zoom in and show the pinned location.

6. Mobile User Experience

6.1 Responsive Design for Mobile Devices:

The website automatically adapts to different screen sizes and resolutions, ensuring optimal display on various mobile devices. The search bars, organization details, and map are arranged in a user-friendly layout suitable for smaller screens.

6.2 Touch Interactions:

The first thing that will appear on the screen in the instructions on how to use the website. Once the user understands how to navigate the website, they can click the “x” button in the upper right hand corner. Once the instructions are removed, the two search bars are the only thing that appear on the screen. Tapping on an organization's name in the search results will display its details, while tapping on the pin icon will show its location on the map. Once a pin icon is clicked, the two search bars disappear and the map is displayed with the large pin. To get back to the search bars the user will need to hit the back button on their phone.

7. Updating the Backend (Admin Instructions)

7.1 Accessing the MongoDB Atlas Account:

This step is only needed if a new search query needs to be created or any changes on a larger backend scale. Most edits to the database can be done in step 7.2 and on.

Obtain the login credentials for the MongoDB Atlas account from the website administrator. Go to the MongoDB Atlas website (<https://www.mongodb.com/cloud/atlas>) and log in using the provided credentials.

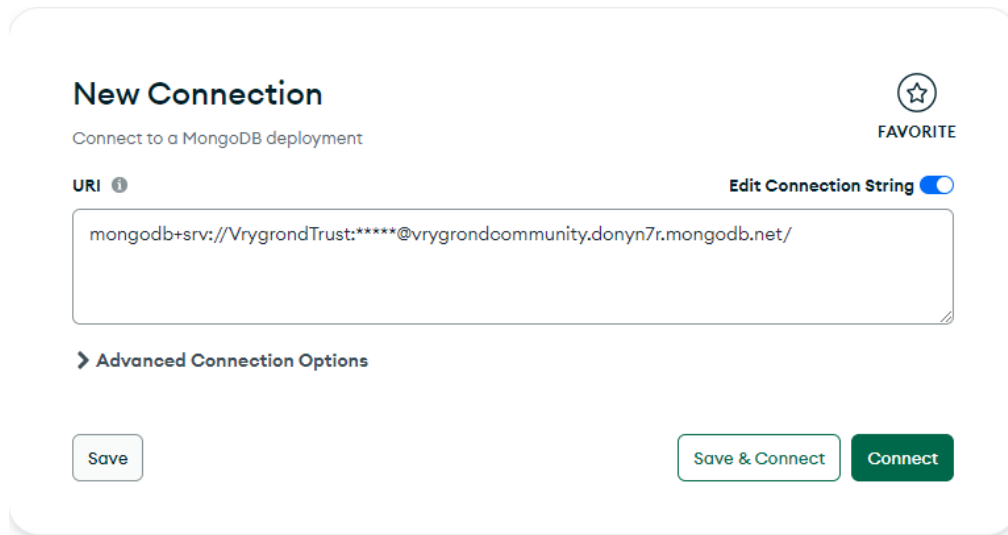
7.2. Connecting to the Atlas Cluster using MongoDB Compass:

Download and install MongoDB Compass on your computer if you do not already have it (<https://www.mongodb.com/try/download/compass>). Launch MongoDB Compass and click "Connect." Select "Connect using MongoDB Compass" and follow the prompts to enter the connection details provided by the administrator.

Enter this string in the “New Connection” Box:

mongodb+srv://VrygrondTrust:ButterflyArtsProject@vrygrondcommunity.donyn7r.mongodb.net/

See picture below:

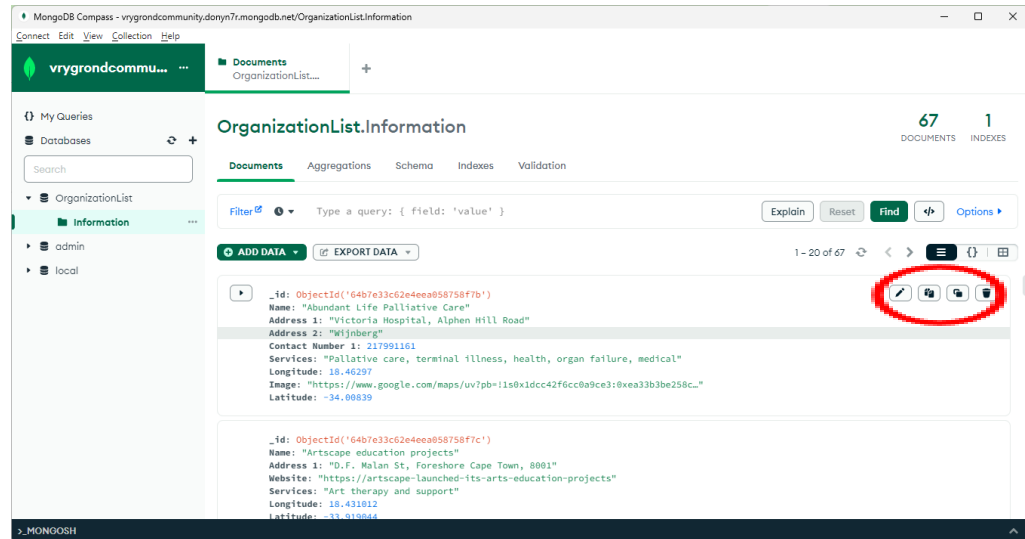


The screenshot shows the 'New Connection' dialog box in MongoDB Compass. At the top, it says 'New Connection' and 'Connect to a MongoDB deployment'. There is a 'FAVORITE' button with a star icon. Below this, there is a 'URI' label with an information icon and an 'Edit Connection String' toggle switch. The main text area contains the connection string: 'mongodb+srv://VrygrondTrust:*****@vrygrondcommunity.donyn7r.mongodb.net/'. Below the text area is a link for 'Advanced Connection Options'. At the bottom, there are three buttons: 'Save', 'Save & Connect', and 'Connect'.

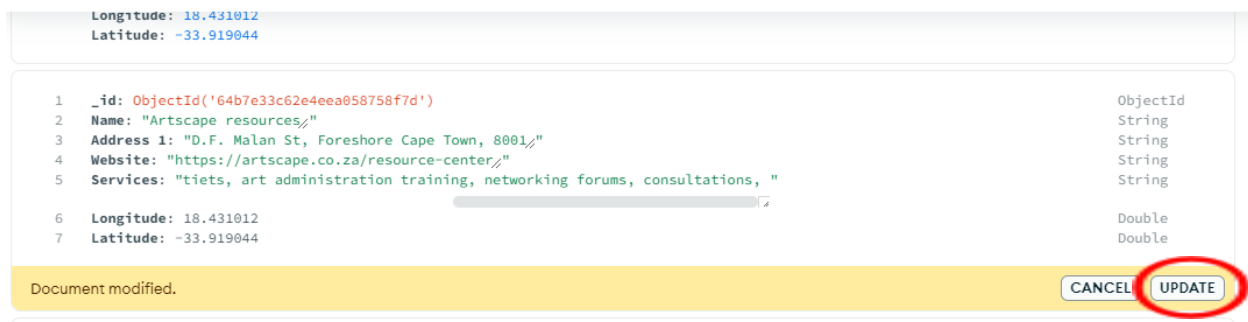
Once connected, you can access the database collections and documents.

7.3 Editing Organization Information:

In MongoDB Compass, navigate to the collection containing the organization information. For this specific database click on the arrow next to “Organization List” and then “Information” to get the database to show like in the screenshot below. Locate the document of the organization you want to edit and hover over it to see the four icons circled in red in the screenshot below. The pencil icon allows you to edit any of the information, the copy and clone icons allow for duplication and the trash icon lets you delete an entire organization and its information.



Remember to click the “UPDATE” button to save your changes



7.4 Adding New Organizations:

To add a new organization, click the "ADD DATA" button at the top of the screen, Click “Import JSON or CSV file” and browse your computer to find the relevant csv file (which can be an excel file with a .csv extension). Make sure it is saved as CSV UTF-8 (comma delimited) file to be compatible with MongoDB, as seen in the screenshot below:

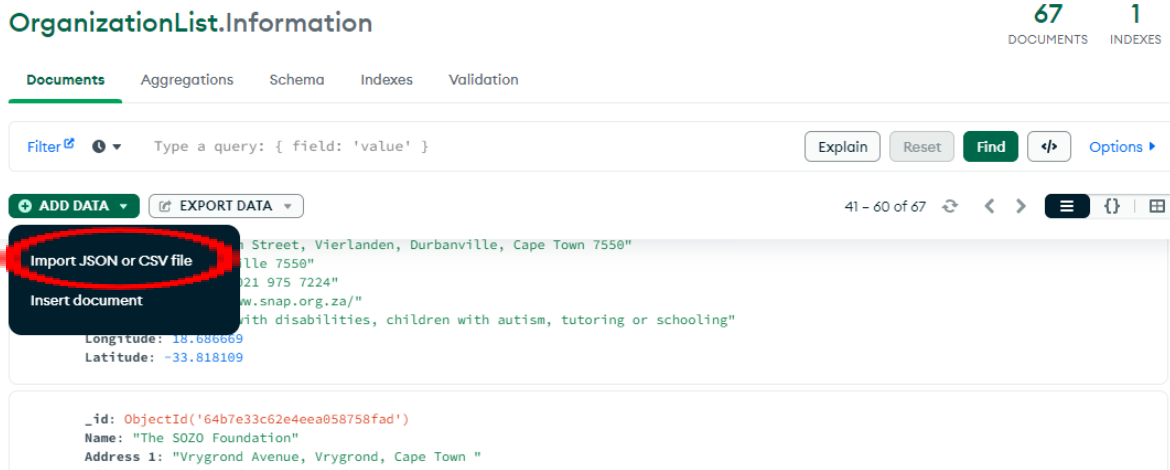
File name:

Save as type:

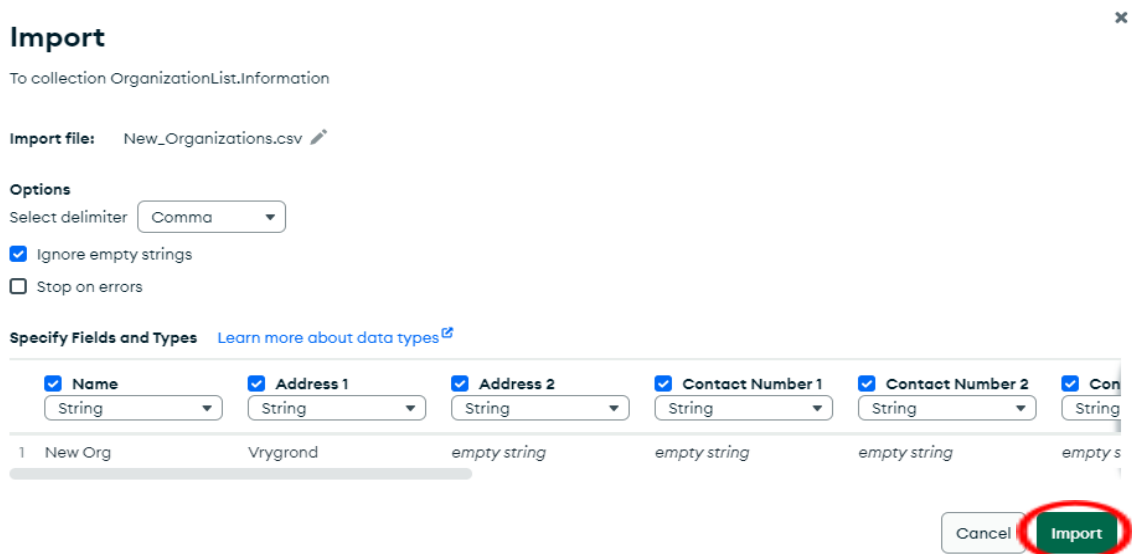
The excel file needs to have these exact headers:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Name	Address 1	Address 2	Contact Number 1	Contact Number 2	Contact Persons	Email Address 1	Email Address 2	Website	Services	Latitude	Longitude	Image

There is a blank excel sheet uploaded in the GitHub repo and that you can download and add organizations as needed. If a certain category is unknown for an organization, simply leave it blank. Once completed, simply upload into MongoDB Compass using the import JSON and CSV file as seen in the photo below



Then, select the file from its saved location and it will open the window seen below:



If all of the information appears correct, click the import button and you are done!
You will see the organization added with all of its corresponding information. If any more edits need to be made you can follow the earlier instructions.

e. Restoring or Changing the Database:

If you need to restore the database to a previous state or make significant changes, please consult the website administrator for guidance (kayemba29@gmail.com). Performing such operations requires caution to avoid data loss. This is done through MongoDB Atlas.

F. Adding services

The “services” column in the excel spreadsheet is all of the corresponding tags for each organization that allows for a keyword search in the second search box. Common tags include “school, programs, legal, women, children, after school programs, and medical”. Any number of tags can be added for convenience as long as they are added as a string, following the example: “school” with quotation marks.

8. Contacting Support

Users can email (admin@vrygrond.co.za) for updates or changes that need to be made for the website.

For additional documentation on how to use MongoDB Compass, reference the official website (<https://www.mongodb.com/docs/compass/current/>)

For additional documentation on how to use MongoDB Atlas, reference the official website (<https://www.mongodb.com/docs/atlas/>)

Login credentials:

Github Login:

Email: kayemba29@gmail.com

Password: VrygrondTrust23

Username: VrygrondCommunityGitHub

MongoDB Atlas:

Email: kayemba29@gmail.com

Password: VrygrondTrust23

Cluster Name: Cluster0

Username: kayemba29

Password: VrygrondTrust29