Marig-On Inventory System
Output & Report Design

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What is Marig-On?

This is an **inventory system** that is suited for small businesses, particularly for businesses involved in the buying and selling of, but not limited to, collectibles such as **Funko Pop**.

Installation Guide

There are two ways of using this program. Both would require installing the it to a local machine. However, the client may choose to use either a **Local Server** or a **Cloud Service** for their database. Both options use **MongoDB** as the database.

Local Connection (Community Server)

Step 1: Download and install **MongoDB Compass.**

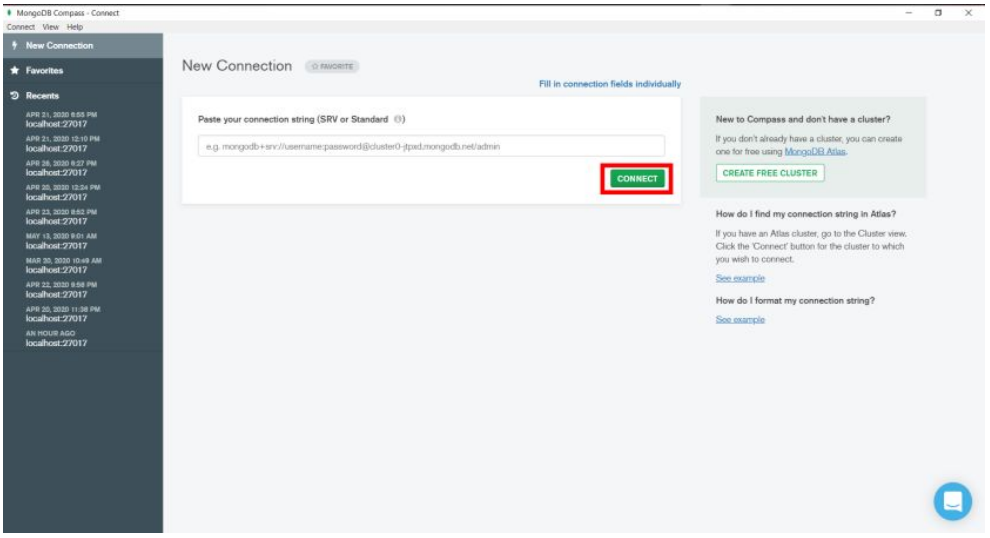
- https://www.mongodb.com/download-center/community

Step 2: Download and install **XAMPP.**

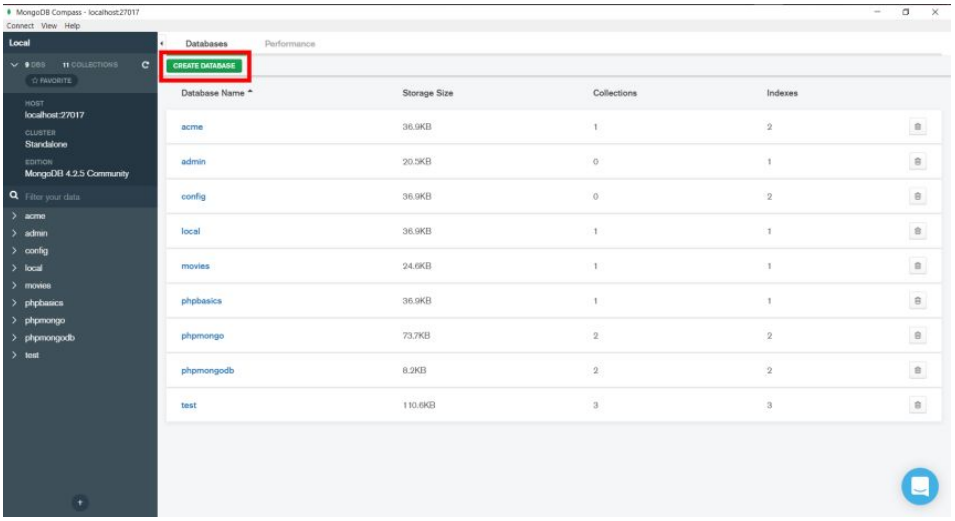
- https://www.apachefriends.org/index.html

Note: *Make sure your system is compatible.*

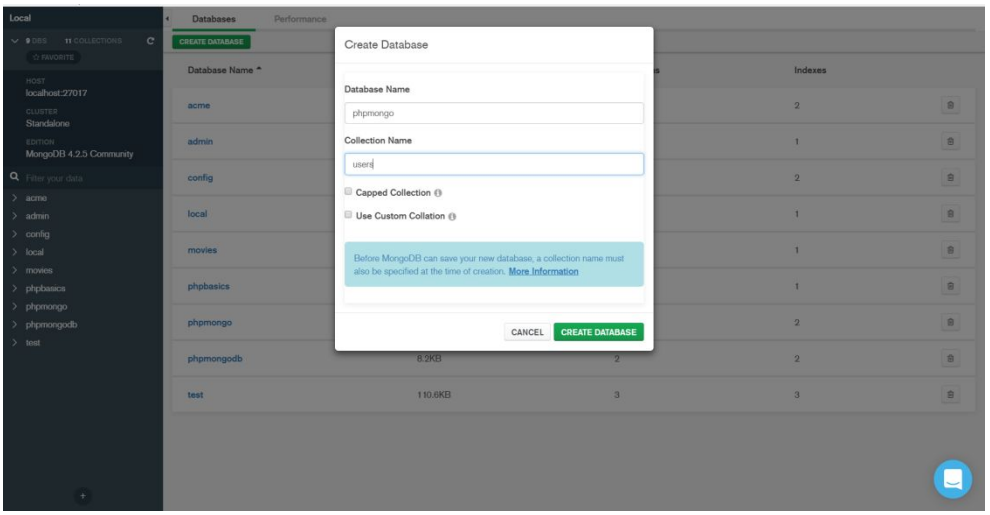
Step 3: Open **MongoDB Compass** and click `CONNECT`.



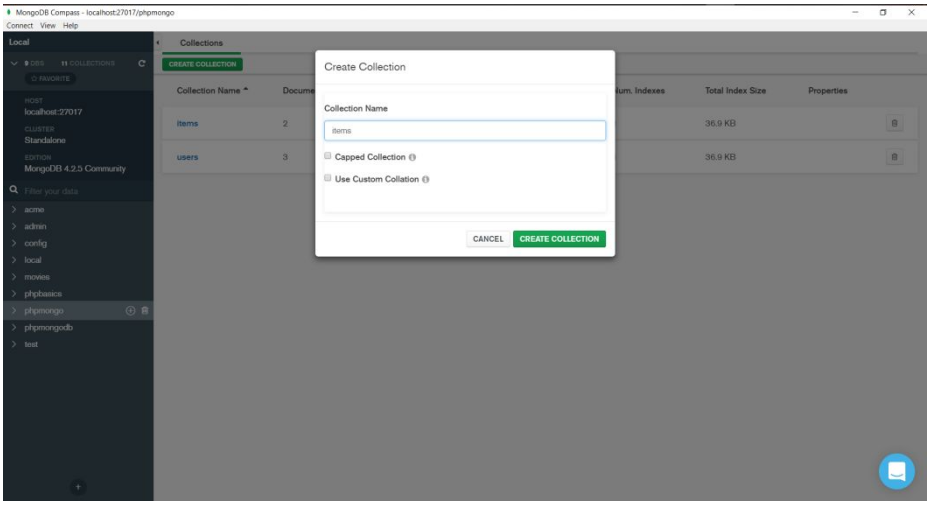
Step 4: Click `CREATE DATABASE`.



Step 5: Set the **Database** name to `phpmongo` and the **Collection** name to `users`.



Step 6: Add another collection named `items`.



Step7: Set up user accounts. An account requires a username, password and access level. See access level capabilities below.

access_level	Access Type	Capabilities
0	guest	View
1	user	View & Add
2	admin	View, Add, Delete, Edit

Table 1. Access levels and their corresponding capabilities

access_level	Access Type	Accessible Item Properties
0	guest	_ID, Name, Series
1	user	+ Quantity
2	admin	+ Trend, Created At, Updated At, Updated By, Actions (Modify & Delete)

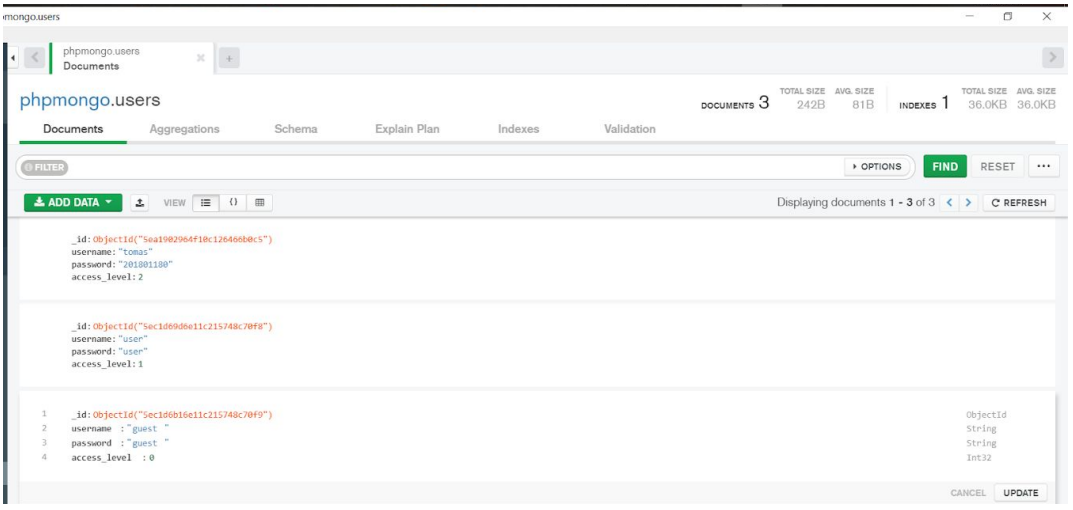
Table 2. Access levels and their Accessible Item Properties

Step8: Click `ADD DATA` and choose `Insert Document`.

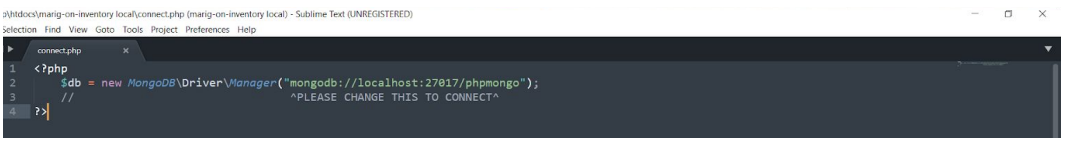
Note: *These are case sensitive. Please follow the format below to avoid potential errors.*

Field	Type	Description
_id	ObjectId	Auto-generated
username	String	Your username
password	String	Your password
access_level	Number	Your access level

Table 3. Account fields with their respective type and description.

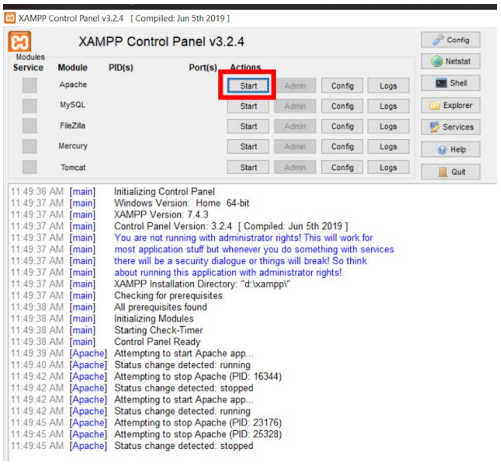


Step9: Go to the Marig-On Inventory and open `connect.php`. Make sure it has the same connection.

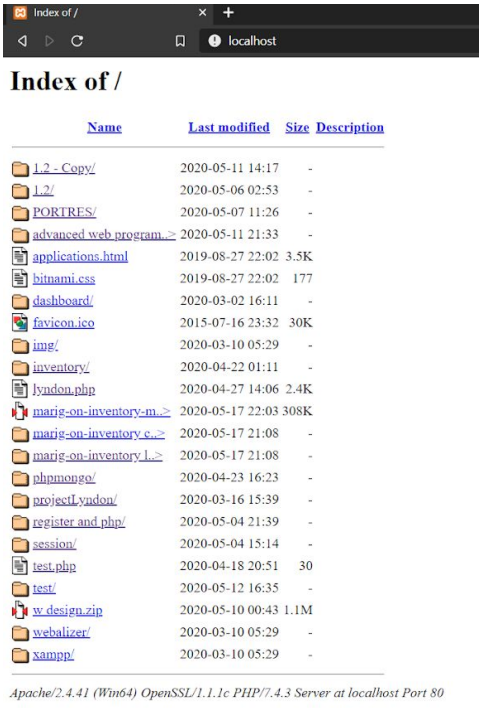


phpmongo: the name of the database from step 5

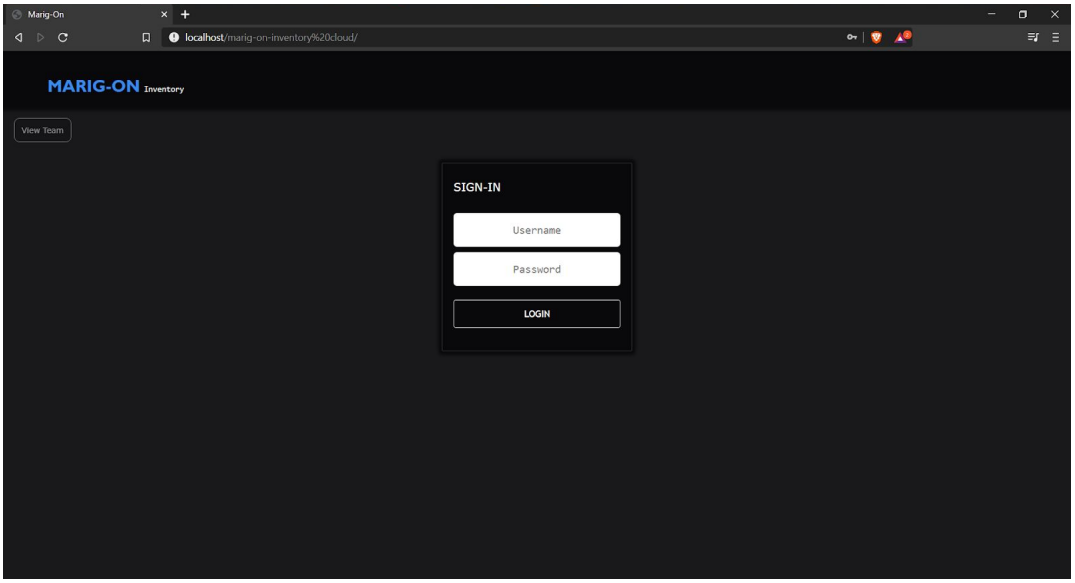
Step10: Open **XAMPP** and click `START` on the Apache side.



Step11: Open your internet browser and enter `localhost` on the address bar.



Step12: Choose the **Marig-On Inventory** folder, and you'll be directed immediately to the program.



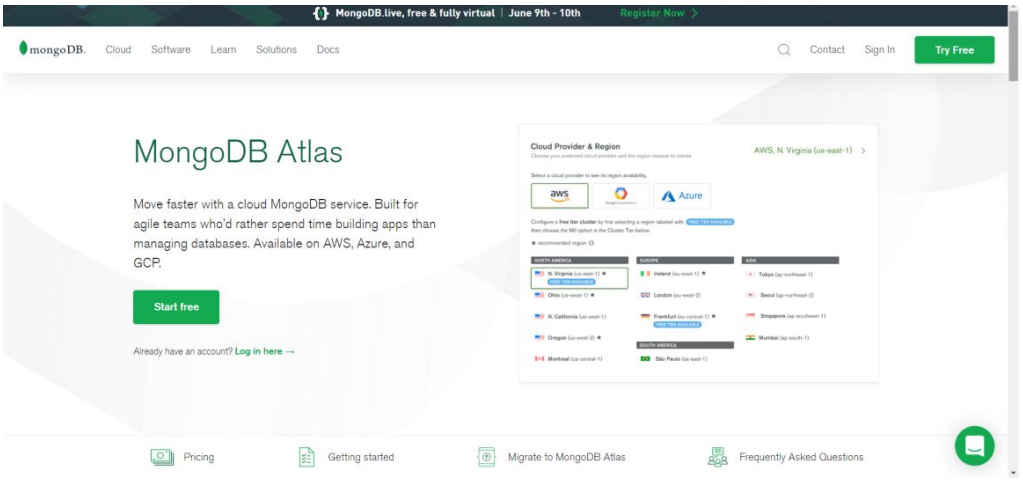
Cloud (MongoDB Atlas)

Note: *The instructions are somewhat similar with the local connection, but you must first make a MongoDB Atlas free Account.*

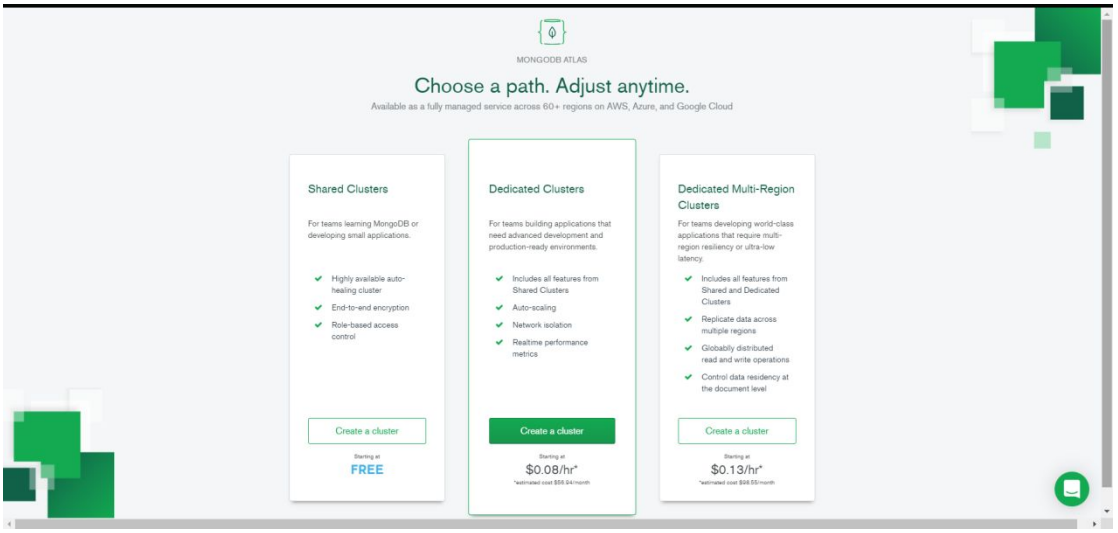
Step1: Register to **MongoDB Atlas.**

- https://www.mongodb.com/cloud/atlas

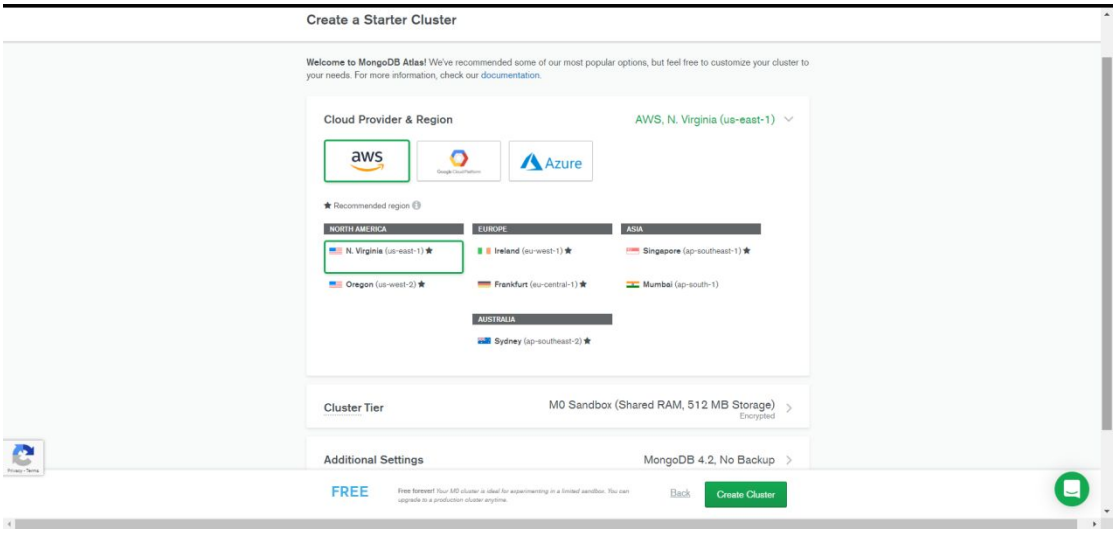
Note: *Remember your credentials.*



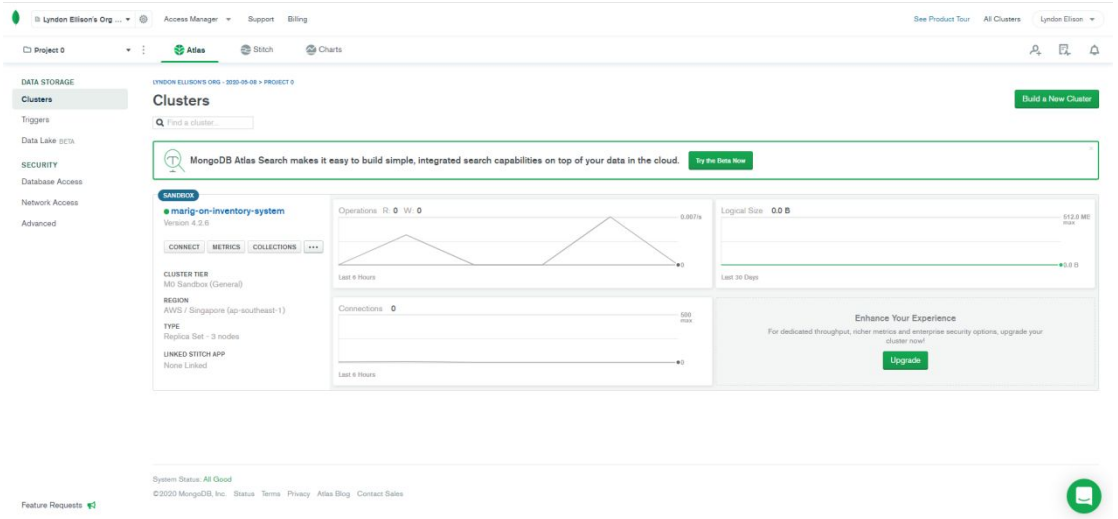
Step2: Choose a **cluster** plan.



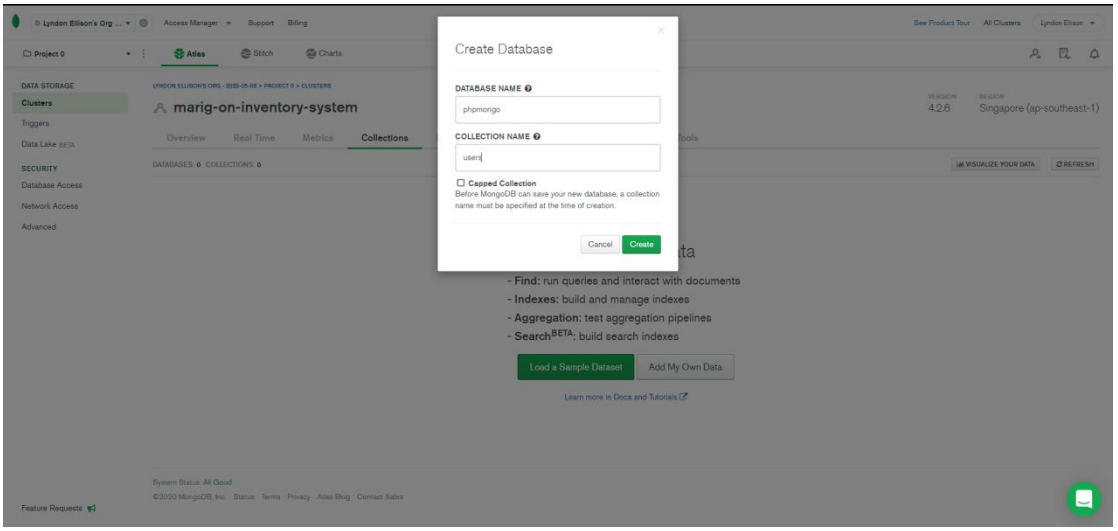
Step3: Choose your cloud **provider** and **region**



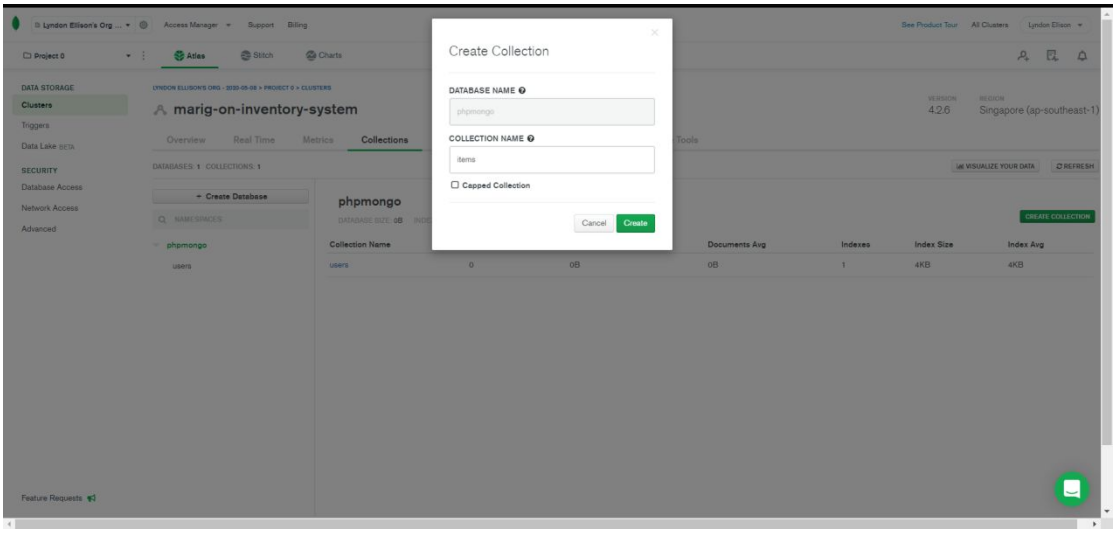
Step4: Proceed to create cluster and name it.



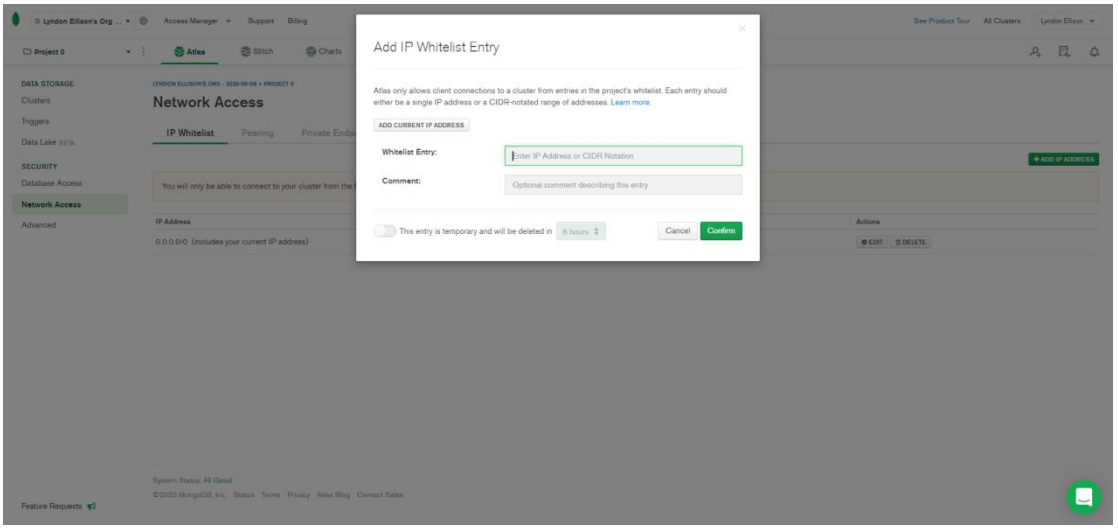
Step5: Create a database named `phpmongo` and create a collection named `users`.



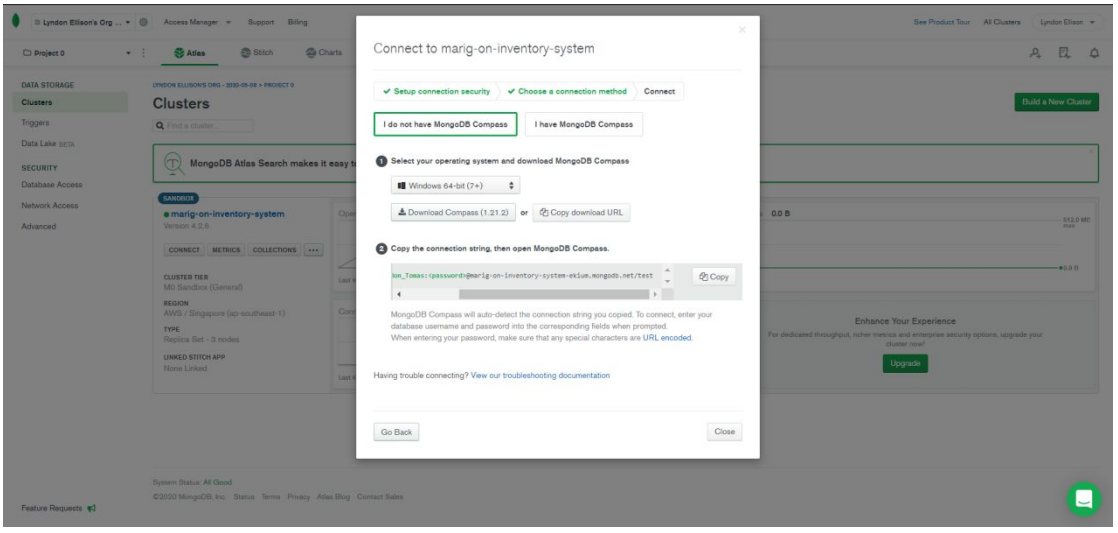
Step6: Create a collection, along with `users`, named `items`.



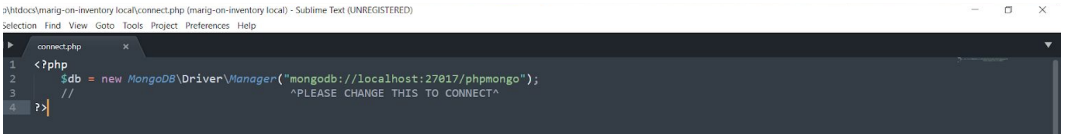
Step7: In the **Network Access**, whitelist your IP address.



Step8: In the **Clusters** section, click the `connect` button to check for the connection string.



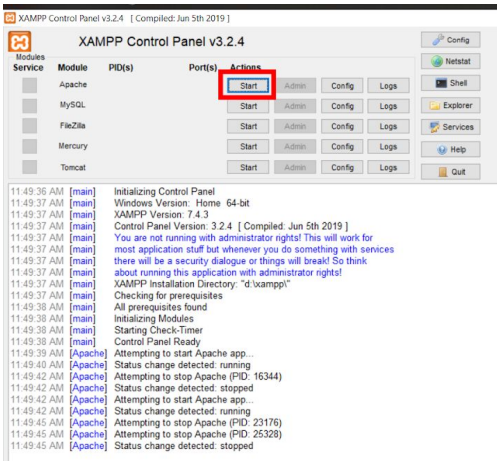
Step9: Copy the connection string and change the string inside the `connect.php`.



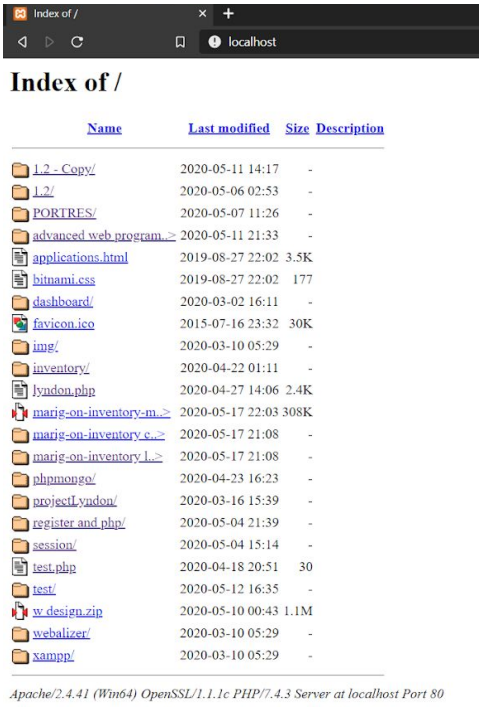
***Note**: Make sure to replace `<username>` and `<password>` in your connection string with your **Database Users** credentials found on **Database Access**.*

***Note**: To know more about connecting your cluster, please go to https://docs.atlas.mongodb.com/connect-to-cluster/*

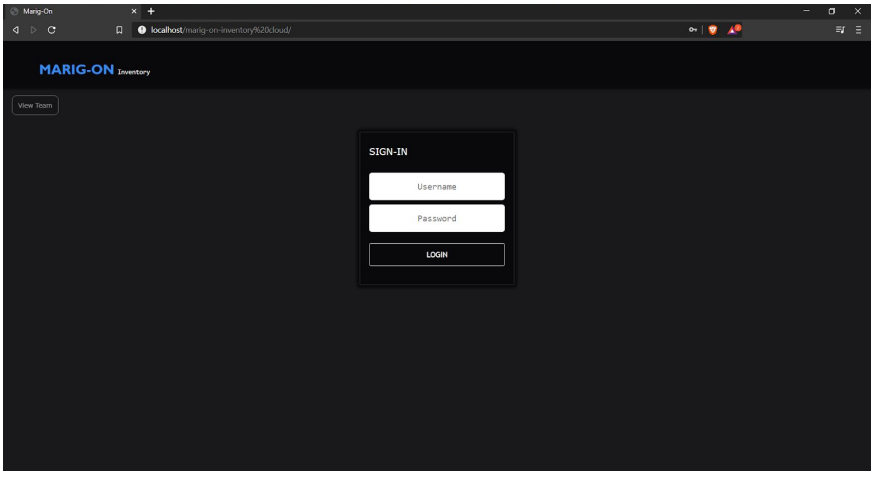
Step10: Open **XAMPP** and click `START` on the Apache side



Step11 Open your internet browser and enter `localhost` on the address bar.



Step12: Choose the **Marig-On Inventory** folder, and you'll be directed immediately to the program.



Output Report

Purpose of Output

access_level	Access Type	Accessible Item Properties
0	guest	_ID, Name, Series
1	user	+ Quantity
2	admin	+ Trend, Created At, Updated At, Updated By, Actions (Modify & Delete)

Table 2. Access levels and their Accessible Item Properties

To explain further the **Table 2**, which is shown above, this is to prefectly explain each access_level to the so that he/she could decide which level to assign to his/her employees/co-worker, assuming they have one.

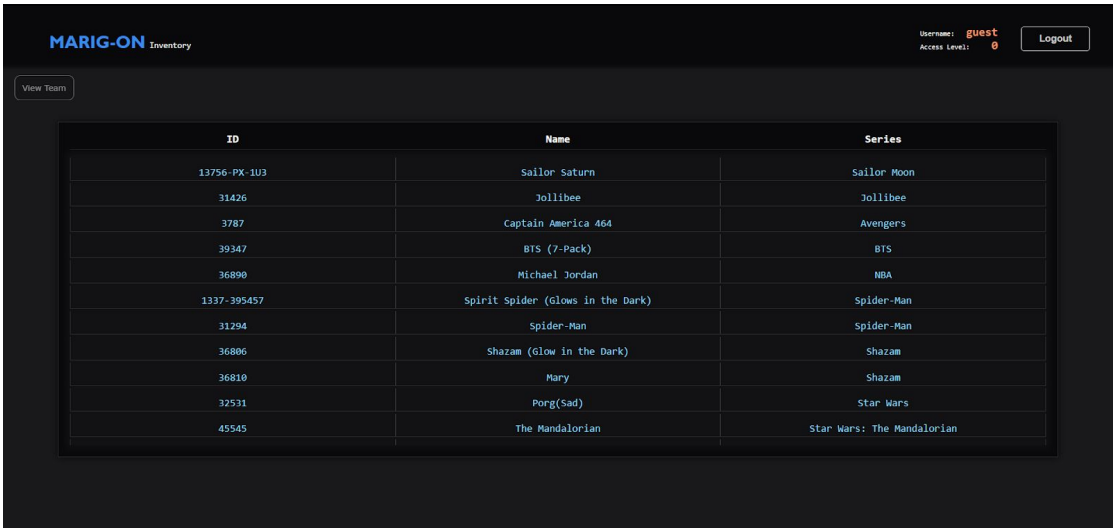
Later on, you will see how each of these informations are shown and displayed on the screen from the perspective of each access level. But first, we must explain to you each of the fields.

Item Field	Description
_ID	This is the most unique field that identifies the item
Name	This is to add context to the item's identification
Series	This is to add which categorythe item belongs
Quantity	This is to show how many stocks (of that speecific item) are available

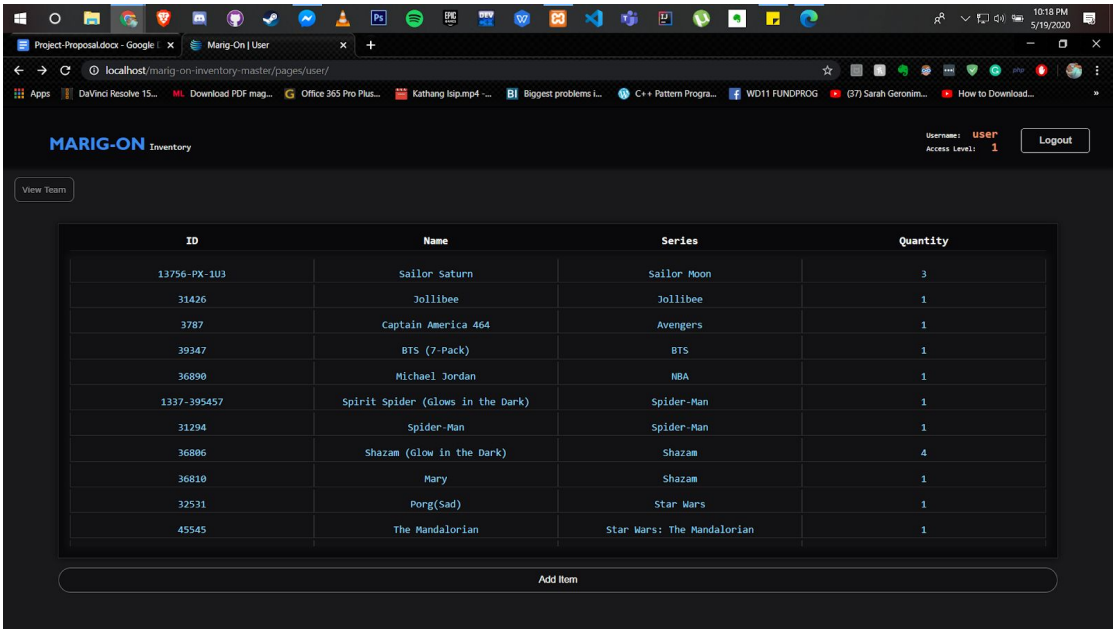
Trend	This is just a ranking system (depending on the client) on how trendy the item is
Created At	This is to show when was the item first added
Updated At	This is to show when it was most recently modified
Updated By	This is to show which account updated the item
Actions (Admin Only)	This is just to contain the **Edit** and **Delete** button

Table 4. Item Fields and their descriptions

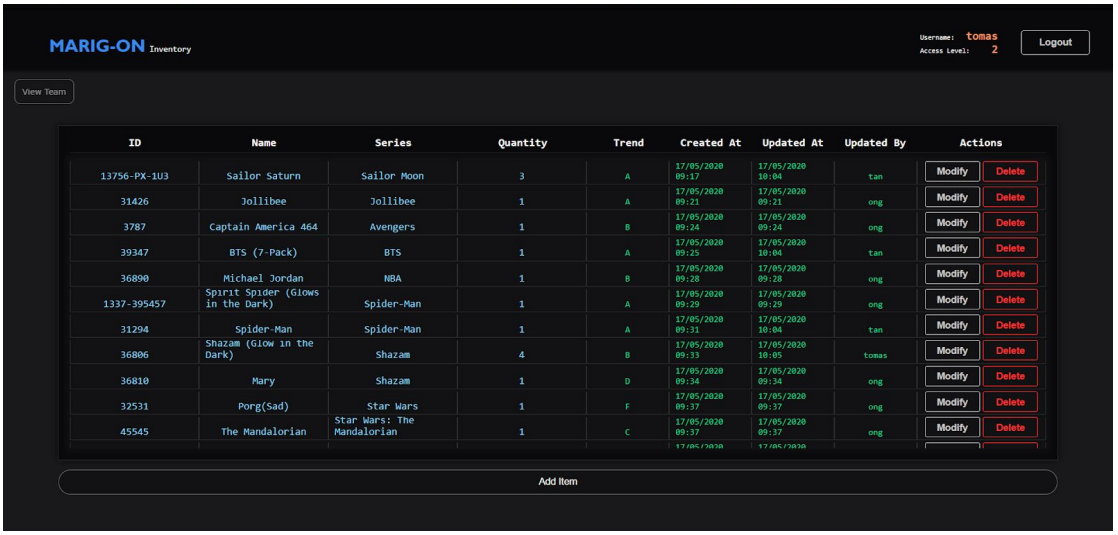
Guest (Access Level 0) Preview



User (Access Level 1) Preview

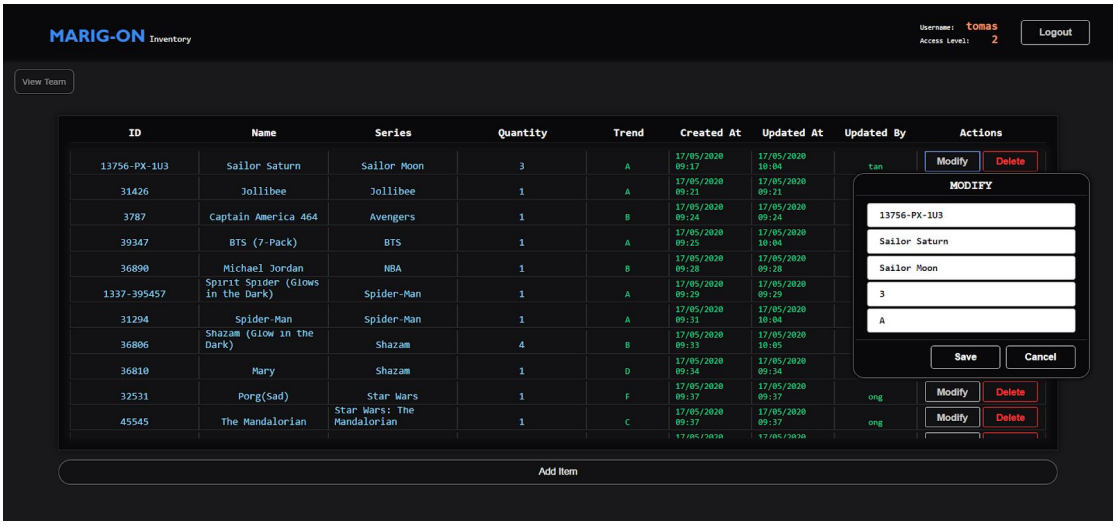


Admin (Access Level 2) Preview



Other Screenshots

Edit Preview



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