

Hunter x Hunter Database

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The database can be accessed using this website:

<http://flip3.engr.oregonstate.edu:55558/>

Project Outline Update 5:

"Hello Erin,

The deleting of Doctor Phil went smoothly, and your project has come together quite well! For suggestions, your tables could use a touch of formatting to make it more distinct from the background, and you likely do not need to see the primary key ID's for each table. Similarly, you could format the headings of the columns from, say, "first_name" to "First Name" and so on. Additionally, the relationship tables could be displayed on the relationship pages. Aside from that, I don't have much to critique. Great job!

Kindest regards,

Ken Wyckoff"

-Ken Wyckoff

Based on Ken's feedback, we did fix the displays to show First Name rather than "first_name". We decided to leave the key IDs as it would make it easy to troubleshoot issues in the future, and will make it simple to keep track of how many entries there are and have been in a given table. We've decided not to include the entire relationship tables, as we found our filtering method much easier to read than listing every character's relationship with each other. This way, the user will only see the relationships they're interested in and the screen won't be spammed with possibly dozens of relationships.

"Hi Erin,

Testing the delete and update everything looks to be working well! I like how there is a delete at each of the relationship pages to delete specific relationships between entities. Only thing that I think could be updated is the location ID column in the organization page. This could be updated to location name to make it easier for the user to tell which locations are associated. Other than that the website looks awesome! Thank you again for creating a very enjoyable website!

Thank you,

Kyle Yoneshige"

-Kyle Yoneshige

Based on Kyle's feedback, we've included the Location name, but decided to leave the Location ID for the reason previously stated, for troubleshooting purposes.

A great way to get rid of those ID numbers is a simple get request for the names. Your site design does not appear to need a nested ajax request to accomplish that goal. Navigation is clear. I looks like all the deletes work, including the menus that populate. Looks like all you need is a sort function. Nice job!

-Miles McCoy

Thanks Miles! We have added the names to our tables to make it easier to understand the displayed information but decided to keep the id numbers as they can help with troubleshooting.

Project Outline Update 4

"Minor issue really, but it seems like the Character race is capitalized if you Edit it, but lowercase when you Add a character. I'd like to see consistency on that

Otherwise, looks nice! Adding and updating items all seemed to work as they should."

Good catch, we have fixed that.

"Hi Erin,

The website is looking awesome! I tested the update that was implemented and everything works great! One recommendation I have is on the organization page to display the location name instead of the location ID so it will be easier to tell if it was updated properly. Other than that, everything looks great!

Thank you,
Kyle Yoneshige"

Based on Kyle's feedback, we have decided to show the location name instead of the location ID. This has not been implemented yet, but will be fixed by the time the project is turned in.

"Hello Erin,

Your updating characters functionality worked swimmingly, and the site as a whole is in a great spot. Since you noted that you added the ability to add relationships, I attempted to do so. I was able to add a relationship successfully, but I was able to add it multiple times for the same pairing. Perhaps you could restrict the call to only add a relationship if it's not already found or simply limit the shown data to distinct values. I believe last week I suggested you shrink the picture on the home page slightly in order to fit the entire page within one window more easily, or you could also move the picture below the text instead. Aside from that, I cannot find much to make a fuss about. Keep up the great work!

Kindest regards,
Ken Wyckoff"

Based on Ken's feedback, our next update will also include input-validation that prevents users from being able to add multiple relationships between the same characters, between themselves, and the same characters being affiliated with the same organizations, etc. Regarding the pictures, we still have not found a way to adjust the size so that the format is consistent with what we want, but may continue to try and fix it. If we are unable to do so, we will place the text above the picture as he has suggested.

Project Outline Update 3

"Hi Erin,

I like the look of the website! I noticed for the ADDs, I could only get organization/location/aura types to work. I could not get characters to work and was being returned with a 404 error. I like how the ADD pages are laid out and like that you can see the things you add right in the page itself. It will make it easier to delete and update entities as they are being added. I think there is a little more implementation needed for add with character and the relationships but overall on the right track!

For the read, the characters was not working for me. I think there may be an issue tied to the add on the characters. Other than that the tables look to be laid out well and are easy to follow. I think there is a little more implementation for READ as well such as characters and relationships. Great job on the website!"

-Kyle Yoneshige

We have made a bit more progress with the READ functionality, including being able to see relationships between characters but we are still not quite done with it. We've also fixed the bug that prevented users from being able to add characters.

"Hello Erin,

It looks like your website is coming together quite well. I like that the user is greeted with a slideshow, although if the pictures were smaller it would allow the homepage to be fully viewed without scrolling. I would suggest shrinking the slideshow frame down a touch. I got an error when I tried to add a character, but adding an organization, location, and aura type went smoothly. It was nice how the information was visible when entering additional entries, and the addition was immediately visible as well. Your data could use a bit of styling, but otherwise your site looks great. Keep up the good work!

Kindest regards,

Ken"

-Kenneth Wyckoff

We tinkered with the size of the pictures on the home page, but found that it complicated the format of the page too much and have decided to leave it for now, though we may revisit it in the future if time allows. We've fixed the bug that prevented users from adding characters.

I like the homepage. The menu is easy to use and guides the user to the various locations. I will keep feedback to the Create and read portion. The organization page displays a table using the id for the location. That is kinda meaningless for the user. You can make an ajax call within your table script to get the name of the location. The backend for that is not too bad and then you can use the response to display the location name.

Adding a character caused a 404 error. It worked for orgs, locations, and aura. Great draft for this stage in the project. I look forward to the progress over the next several weeks.

-Miles McCoy

We plan to implement the change from location id to name but we haven't yet. We have fixed the character thing.

I got an error when trying to add a character. Have you thought about having a list page for all the characters that are created and instead of having a page for each character relationship where you have to select the character. you could select the character for the list page and land on a page that stores that characters id so that any relationships for that character can be created from a single place. This same page template would be used for all characters. could be a way of streamlining the ui. Obviously this is not a requirement for the final submission of the project so take this with a grain of salt.

-Patrick Moore

We have decided to not do individual character pages. We have fixed the adding character error.

Nice homepage!

Yeah, I'm getting errors when trying to add characters and relationships, but I'm sure you're still just working on the functionalities. Either way, it's a good draft!

-Daniela Muniz

The character error has been fixed, the relationships have now been implemented for character-character only.

Project Outline Update 2

"Looks like you have a great start here. I am wondering if you have considered instead of having a page to manage each relationship separately that you could from the list of characters have the ability to click on a character and go to a dedicated page for that character. Here all these character centric relationships could be managed from a single location in which you have immediate context of the character's id. you can then for example have buttons/inputs that say "add a friend", "add a foe", "add an aura type". so then you already know which character this is in relation to. this would save the user from unnecessary extra navigation and input manipulation. "

-Patrick Moore

We have decided to not implement his suggestion. We find our designs to work well enough and although it may be easier in for some uses, it is unnecessary for our current purposes.

"While my comment may be the same as the pot calling the kettle black, you may want to consider not hard coding the insert for the relationship id's. By not hard coding, you can simplify the JavaScript and hide your id's. ie make a form that inputs an character character relationship with text. (this may also require normalization to a particular case for input and form data, that's an easy backend or front end JavaScript call) It would be nice not to have to navigate to multiple pages, but I understand the difficulties with not wanting to reload the page and make all the AJAX calls work."

-Miles McCoy

We're not really sure what he meant, our relationship page is one page and should not require reloading. We find our use of ids will be fine as well.

"Hello Erin,

I have heard of, but not watched, Hunter x Hunter, but your project seems to be well-formed. I believe your webpage could benefit from a more descriptive landing page, and possibly a picture. The site as a whole has good structure and is partitioned well, but it would benefit from a home button or a nav-bar of some sort. Your "Manage Characters" page lists an 'origin' field which is not listed as an attribute on your pdf outline, and the page lists them as numbers. I would suggest either having the 'origin' column list the location name (in addition to or instead of the id) or displaying the list of locations with the id's on the page nearby. The same for "Manage Organizations" and "LocID." I also did not see a page that displays Character and Aura data together. Otherwise the pages are easy to navigate, especially the relational pages and their descriptive options. Your sample data seems robust, and even connected to the web-pages,

and your SQL files appear thorough as well. Your DMQ sheet could use some organizing to group similar commands ('Add's near 'Add's, etc) for readability, but there is a thorough list of commands that should serve you well moving forward. This is a great base to move on with, and I look forward to seeing on how you build on this!

Kindest regards,
Ken Wyckoff"
-Ken Wyckoff

Based on Ken's feedback, we've added a carousel of pictures to our home page, as well as a short blurb on what actions are available and what the purpose of the database is. We've also removed the 'origin' field from the characters section, as it was a mistake. We couldn't do much about the DMQ complaints as MyPHPAdmin's exports changes the layout.

"Hi Erin,

The DDQ looked complete and I was able to import it into the myPHPadmin with no errors. My only critique, and this may be myPHPAdmin's fault, but the organization of the SQL is a little hard to follow. I think this is a tiny thing that does not affect the overall usability of the database, but it may be beneficial to organize the tables in sections either by entity or relationships so it's easier to understand what table is referring to what in your outline. Also, it may be beneficial to continue including the ERD/Schema in the outline so it is easier to cross reference the DDQ with the schema and ERD. But again, the organization of the SQL may be the fault of myPHP.

The DMQ file looks syntactically correct and structured well so it is easily readable. As this is the draft, I don't feel this is an issue, but I noticed that the DMQ is missing an update to location, update to organization, and update to aura. Besides that, the DMQ looks correct and complete.

I like the organization of your website. I think it's a great idea to incorporate the add/delete and display of the data for the relationships all on one page. It will make it really easy for the user to manage relationships. I think a return to homepage or index button can be added so the user doesn't have to use the back button to return to the main page if they want to update or add other data.

Overall I think you guys did a great job! I think that this will be a cool database to use especially if you are a Hunter x Hunter fan."

-Kyle Yoneshige

Based on Kyle's feedback, we've added a navbar to all of our pages to make it easier to navigate across them without having to use the browser's back button every time. We'd accidentally uploaded the incorrect file, which omitted the schema and ERD, but both are

included again. We've also added an update to organization, but we felt that an update to aura or location wouldn't make sense in the context of our project.

Project Outline Update 1

The reviews we received from our peers are as follows:

"Hi Erin,

Very cool idea using Hunter x Hunter as the base for you database! I think hunter x hunter is in my top 5 list of favorite animes. I agree that this is a great fit for a database.

Your project outline was written well. I felt that it explained the attributes and entities well so that someone who has not ever heard of Hunter x Hunter will understand what your database is about.

I have two critiques:

1) Regarding the 0s in the ERD for relationships of character to location, character to organization, and organization to location. Should these relationships have at least one relationship with another entity?

2) Some of the data in the schema is cut off, if the entity boxes are made larger it will make the schema entities easier to read.

Other than that, great job! I am looking forward to seeing what the database looks like!"

-Kyle Yoneshige

Based on Kyle's second suggestion, we've fixed the error in the schema where some data was being cut off. However, we didn't change anything regarding the first suggestion, as not all characters belong to organizations and some character's origins are unknown. As a result, we felt that 0 to many relationships for these suit the ERD better.

"Overall everything is very clear. Your ERD is accurate, and schema accounts for everything. The only change I would make is writing a clarifying statement on the self_referencing relationship in the ERD, since it's not a common usage."

-Christopher Wohlwend

Based on Christopher's suggestion, we have included text in the ERD that better explains why "Characters" connects with itself, as characters can be friends and enemies with other characters.

"This is a very good draft. To normalize the data I'd remove origin from the character table and make a location character table. Same for organization. Those two changes should get you to

class 3.5 ;). You covered every relationship in the ERD in your schema. The format is in compliance with the rubric. “

-Miles McCoy

We decided to not remove origin from the character table. As far as we can tell, it satisfies all normal forms with the current format.

“No suggestions here. Looks nice and clean and easy to understand.”

-Hannah Moon

This draft is easy to follow and all relationships in the outline were included in the ERD and schema. Overall, looks good.

-Daniela Muniz

Previous Update:

There was no criticisms of our database from the TAs but some changes were made anyway.

- Character no longer has Aura Type as an attribute as it is in a many to many relationship with Aura Type.
- Origin was added as an attribute to Character as a place to store a location ID.
- Character relationships with other characters was united into one table as opposed to a friend table and an enemy table. A friend or foe value will be present in each row to describe the relationship stored.

Project Outline

We will make a database representing the Hunter x Hunter universe. This universe is from a manga and anime series that follows superpowered hunters on their adventures. The database will be concerned with characters, their abilities, and their relations with other characters and organizations.

Database Outline

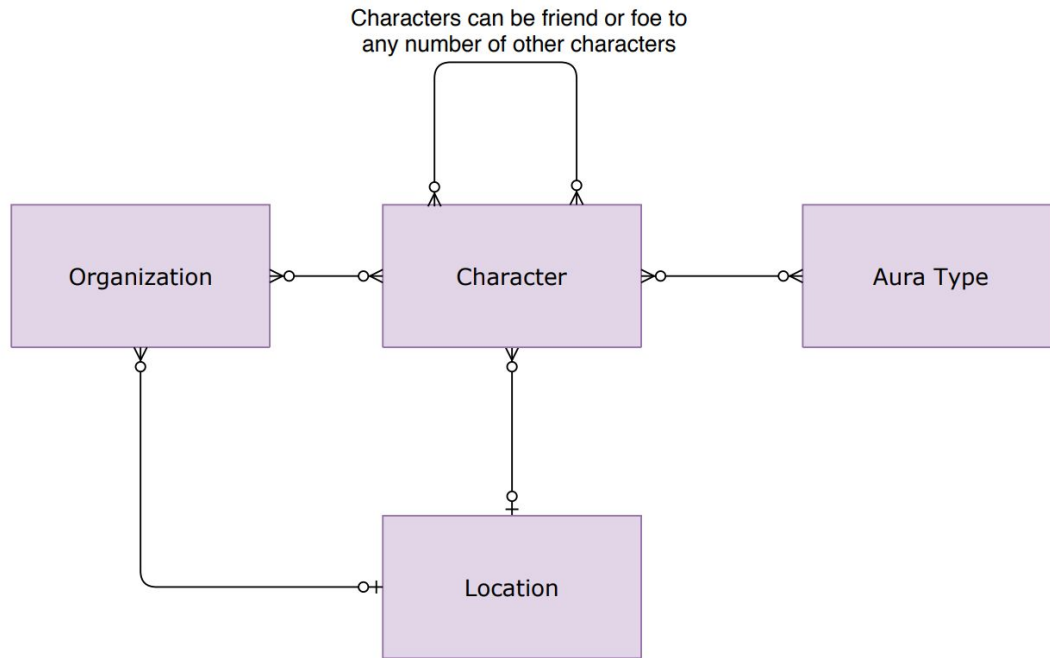
The entities in our database are:

- **Character**-- Character is the central entity of this database that relates to all the other entities.
 - **Id:** Number automatically assigned to each character when added to database. An auto-incrementing primary key.
 - **First name:** First name of the character. Null if only one associated name. String with length 50.
 - **Last name:** Family name of the character. If only one name is used it is recorded here. Cannot be blank. String with length 50.

- **Race:** Characters can be either Human or of a race called Chimera Ant. Will be stored as a string with 20 characters. Cannot be blank, defaults to human.
- **Organization**
 - **Id:** Number automatically assigned to each organization when added to database. An auto-incrementing primary key.
 - **Name:** Name of the organization. Cannot be blank. Stored as 100 character string.
 - **Primary Location:** The home base of the organization's location. Stored as Id from Location entity
 - **Alignment:** Traditional DnD alignment "lawful good", "chaotic evil" etc. Stored as one of nine 20 character strings.
- **Aura Type**--There are six types of Nen that a user might be categorized under, usually found by seeing their Nen's effect on a leaf in a cup of water, referred to as a "water divination test". The types are as follows: Enhancement, Transmutation, Conjunction, Specialization, Manipulation, and Emission.
 - **Id:** Number automatically assigned to each aura type when added to database. An auto-incrementing primary key.
 - **Name:** 50 character string of the Type name. Cannot be blank.
- **Location**
 - **Id:** Number automatically assigned to each of the regions of the world when added to database. An auto-incrementing primary key.
 - **Name:** The name of the region of the world, stored as a 50 character string.
- **Relationships**
 - **Characters belong to organizations :** Multiple characters are in each organization and one character can be in many organizations making this a *many to many* relationship.
 - **Characters are aligned with or against other characters:** Characters who have distinct ties of friendship or animosity are recorded. A character can have many friends and many enemies, making this a *many to many* relationship. Characters are prevented from being in a relationship with themselves.
 - **Characters have aura types:** Some characters can have multiple aura types and each type has many associated characters, making this a *many to many* relationship.
 - **Characters are from a location:** A location can be home to many characters, but characters can only come from one location, making this a *one to many* relationship.

- **Organizations are in a location:** An organization can only have its headquarters in one place but a location can have multiple organizations located there, making this a *one to many* relationship.

Entity-Relationship Diagram



Schema

