**Databases 2 MongoDB Assignment**

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I selected the Game of Thrones dataset, comprising three distinct CSV files: one for Battles, one for Character Predictions, and one for Character Deaths. Each dataset boasted extensive data and numerous columns for analysis. My initial step involved creating a character’s collection by merging the Character Predictions and Character Deaths files using the "Name" column. This integration provided each character with a wealth of pertinent information.

Subsequently, I established a battles collection containing detailed information about each battle for future reference. To enhance usability in my main collection, I modified the Attacker and Defender details, prefixing them with "House."

For the primary collection, named Houses, I meticulously processed the entire character dataset to identify unique house names. Within this collection, I constructed an embedded array for members by iterating through the character dataset, associating characters with their respective house names. Additionally, I created a battle embedded array to incorporate the battles in which the houses participated, based on the attacker or defender details. Lastly, I curated an array of house names that were allied to each house, considering the characters' allegiances.

**The structure of the Houses collection is as follows:**

Collection Name: House

House Name:

Members: [Based on House column]

Name, Male, Title, Date of Birth, Allegiances

Allies: [Based on Allegiances column]

Name, Male, Title, Date of Birth, House

Battles: [Based on Attacker and Defender]

Name, Year, Attacker King, Defender King, Location, Region

**Here is an example document for the Battles collection:**

A screenshot of a computer program

Description automatically generated

**And an example document for the Character collection:**

A screenshot of a computer

Description automatically generated

**Finally, an example document for the House collection:**

A screenshot of a computer

Description automatically generated