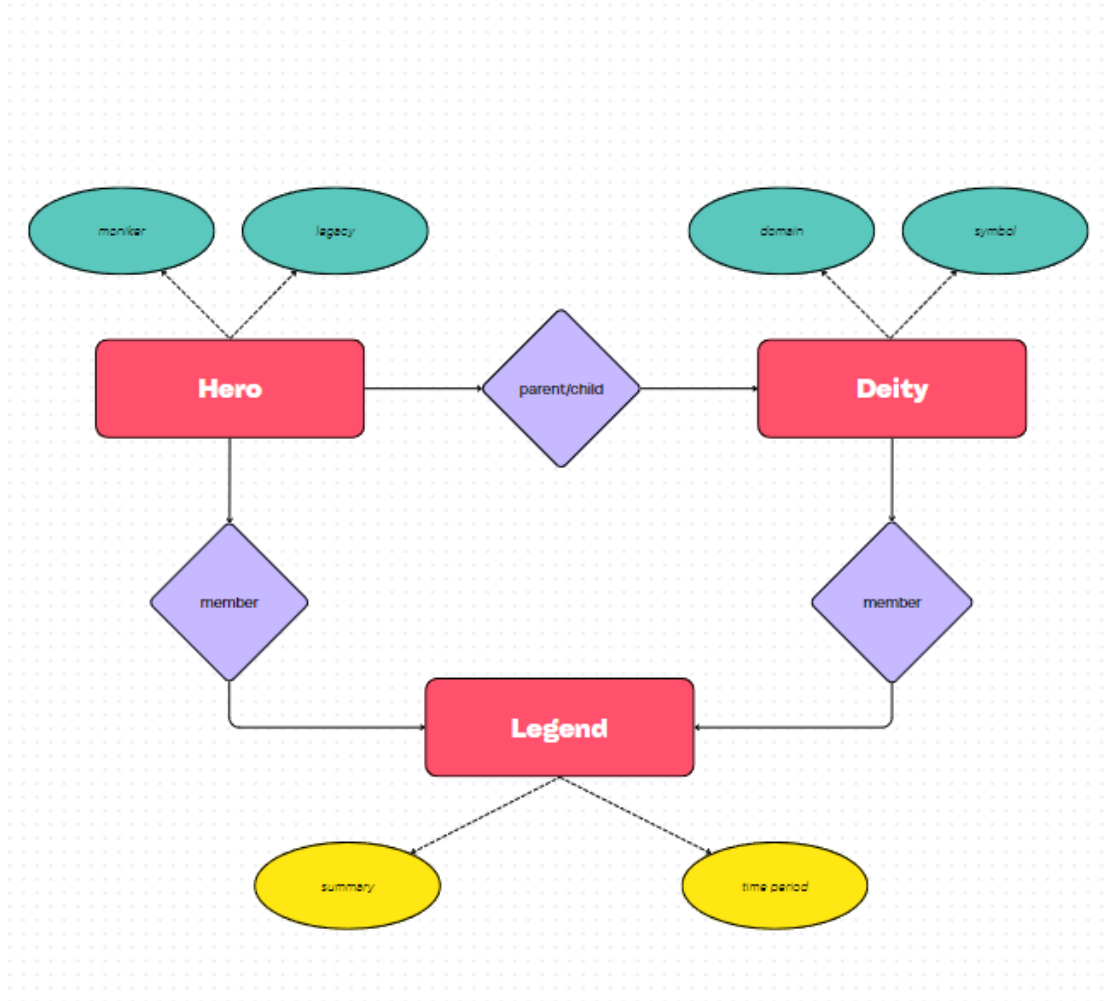


1. Description of enterprise

- a. A small library that wants to archive all the Greek myths. Possibly planning to add other mythoi to the archive for it as well.

2. E-R Diagram



a.

3. Relationship schema

- a. Deity (Table for Greek deities

id INTEGER PRIMARY KEY AUTOINCREMENT,
moniker TEXT NOT NULL,
domain TEXT,
parents TEXT,
symbol TEXT

)

- b. Hero (Table for Greek heroes

id INTEGER PRIMARY KEY AUTOINCREMENT,
moniker TEXT NOT NULL,

```
origin TEXT,  
parents TEXT,  
legacy TEXT
```

```
)
```

- c. Legend (Table for Greek legends

```
id INTEGER PRIMARY KEY AUTOINCREMENT,  
title TEXT NOT NULL,  
summary TEXT,  
time_period TEXT
```

```
)
```

- d. DeityHero (links the Deity and Hero tables

```
deity_id INTEGER,  
hero_id INTEGER,  
relationship_type TEXT,  
FOREIGN KEY (deity_id) REFERENCES Deity(id),  
FOREIGN KEY (hero_id) REFERENCES Hero(id)
```

```
)
```

- e. HeroLegend (links the Heroes with their legends

```
hero_id INTEGER,  
legend_id INTEGER,  
FOREIGN KEY (hero_id) REFERENCES Hero(id),  
FOREIGN KEY (legend_id) REFERENCES Legend(id)
```

```
)
```

- f. CREATE TABLE DeityLegend (links the Deities with their legends

```
deity_id INTEGER,  
legend_id INTEGER,  
FOREIGN KEY (deity_id) REFERENCES Deity(id),  
FOREIGN KEY (legend_id) REFERENCES Legend(id)
```

```
)
```

4. Test queries

- SELECT * FROM Deity; Fetches all deities
- SELECT * FROM Monster; Fetches all heroes
- DELETE FROM Deity WHERE moniker = 'Zeus'; Deletes Zeus deity from the database
- INSERT INTO Hero (moniker, origin, parents, legacy) VALUES ('Achilles', 'Pthia', 'Peleus/Thetis', 'The Trojan War'); Adds Achilles to the database

- e. UPDATE Deity SET domain = 'Sky and Thunder' WHERE moniker = 'Zeus';
Updates Zeus deity's domain with "Sky and Thunder"
- 5. Application User Interface
 - a. Simple Tkinter GUI that allows the user to input their own sql queries, or use buttons to add/delete/update specific entries
 - b. Example of button insertion with images:

Add New Deity

Enter Name:
Ares

OK Cancel

Enter Domain:
Olympus


OK Cancel

Enter Parents:
Cronos/Rhea

OK Cancel

Enter Symbol:
War

OK Cancel



 Deity added successfully


OK

Enter your query:

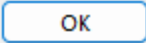
SELECT * FROM Deity;

Execute Query

 Query Results 



- 1, Zeus, Sky, Cronus/Rhea, Lightning Bolt
- 2, Hades, Underworld, Cronus/Rhea, Cerberus
- 3, Poseidon, Sea, Cronus/Rhea, Trident
- 4, David, Olympus, Kim/Cody, door
- 5, Brian, Olympus, Katrina/Nicole, by
- 6, Brenda, Greece, Kristopher/Manuel, daughter
- 7, Marc, Sea, Audrey/Adrian, before
- 8, Henry, Sky, Ashley/Anna, expect
- 9, Kelli, Underworld, Jennifer/Ricky, population
- 10, John, Greece, Tina/Dylan, seek
- 11, Janice, Olympus, Joel/Michelle, wonder
- 12, Anthony, Olympus, Mark/Brenda, than
- 13, Michael, Olympus, Jessica/Matthew, field
- 14, Ares, Olympus, Cronos/Rhea, War



6. Participation details

- a. Kaleb Perkins worked alone on this project