

Two: The Python Club

The Python club is a school club that meets weekly to discuss the programming language Python. They also host meetups and speakers. They want to build a web site for their club that lists all their activities and provides a central place for members to post links to resources and tutorials.

Scope.

The purpose of the database is to serve as a content management system for the club website. It must track all meeting times and places, and summaries of the meetings that have already happened. It should list all speakers and presentations presented by the club, as well as all upcoming meetups and events around the town hosted by other organizations. It should also track all the resources and tutorials posted by members. There should be a list of general announcements as well.

Business Rules

Only members can post announcements and add to the resource lists.

Only club officers can post meeting times and meeting summaries.

Club members can report announcements as inappropriate, but only club officers can remove them.

Any club member can add a notice of a meetup or event.

Anybody in the public can view the site.

Tasks

1. Define who the stakeholders in this database are.
2. Write a brief narrative for each stake holder describing how they would use it.
3. Define the security requirements for the database
4. Define the requirements for the database.
5. Present the requirements to the class for feedback.
6. Create an Entity diagram of the database, normalized with the proper relationships between the entities
7. Present the diagram for review.
8. Create the database in MySQL Server.
9. Enter test data and run SQL queries to test the requirement