

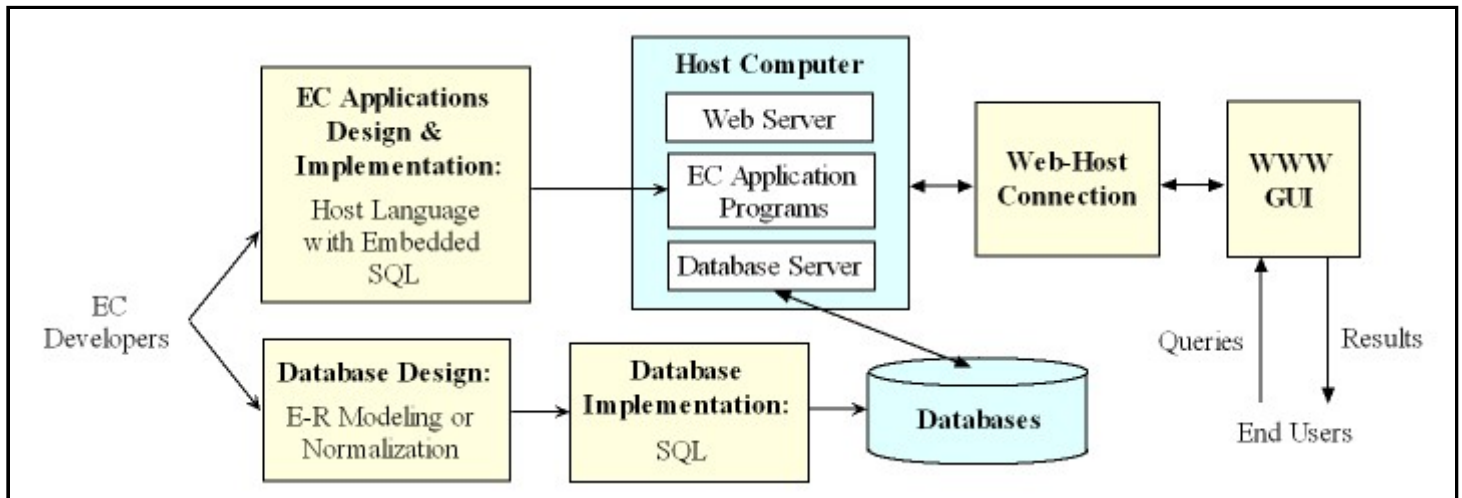
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Exercise Design and Implementation



Take the suggested steps in the following slides to construct a database-driven web site. These steps and software are not definite nor unique. You may take other approaches.

1. MySQL Set-up

Follow the instructions given in the [MySQL Database](#) at the Aerospace School to use the MySQL database.

2. Database Design

Database design uses either one of the following two methods:

- **Entity-relationship (ER) modeling**, dividing your database in two logical parts, entities (such as “customer” and “product”) and relations (such as “buys” and “pays for”). In ER modeling, the structure for a database is portrayed as a diagram, called an entity-relationship diagram (or ER diagram).
- **Normalization**, a series of steps followed to obtain a database design that allows for efficient access and storage of data in a

relational database. Normalization decomposes relations with anomalies in order to produce smaller, well-structured relations.

Since the number of database tables used in this exercise is not high, formal techniques of database design may not be needed.

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