2ch
An anonymous message board.
The Schema

A thread has one or more posts.
A post will always have a thread it belongs to.
UW Web publishing

Sign up for an account,

(your server will be vergil.u.washington.edu or ovid.u.washington.edu)

SSH or FTP in, like webster

MySql not initially setup
(run my scripts mysql_setup_1.sh and mysql_setup_2.sh in the user folder)

Links:
http://www.washington.edu/itconnect/web/publishing/
http://www.washington.edu/itconnect/web/publishing/mysql.html
Creating the database + tables

Some syntax...

CREATE DATABASE name;
CREATE TABLE name(name TYPE PARAMS,...);

SQL Datatypes:
INT
VARCHAR(number)
TEXT
TIMESTAMP
BLOB

Params:
NOT NULL
AUTO_INCREMENT
DEFAULT 'string'
DEFAULT CURRENT_TIMESTAMP

Misc
PRIMARY KEY(name)  <-- insert in place of a property def
Some useful syntax...

INSERT INTO tablename(column1,column2) VALUES(val1,val2);

DELETE FROM tablename WHERE ...;

DESCRIBE tablename;

DROP TABLES tablename;

UPDATE tablename SET column1=value, column2=value WHERE ...;
Our Final Tables...

CREATE TABLE threads(
    id INT AUTO_INCREMENT,
    title VARCHAR(30) DEFAULT "video games",
    author VARCHAR(30) DEFAULT "anonymous",
    date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    PRIMARY KEY(id)
);

CREATE TABLE posts(
    id INT AUTO_INCREMENT,
    threadid INT NOT NULL,
    author VARCHAR(30) DEFAULT "anonymous",
    date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    content TEXT,
    PRIMARY KEY(id)
);

And then add a test thread and some posts...

INSERT INTO threads(title) VALUES("FIRST");
INSERT INTO posts(threadid,content) VALUES(1,"FIRST BABY");
INSERT INTO posts(threadid,content) VALUES(1,"SECOND :/");
Implementation Strategy:

2 modes:
View all threads
(if “threadid” not set in GET params)

View posts (of a thread)
(if “threadid” is set in GET params)
Submitting posts:

Two modes:
Submit from threads page
(make a new thread)

Submit from posts page
(make a new reply in the current thread)

Set the form action to self (with “?threadid=$tid”)
(Also set method to “POST”)

Why?
And so on...

Post count?

$post_count = $db->query("SELECT COUNT(*) FROM posts WHERE threadid = $tid;")->fetch();
$post_count = $post_count["COUNT(*)"];

Problems?

sql injections
    (htmlspecialchars)
pagination
    (LIMIT, OFFSET)

How else can we make it better?