

OSUChan

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The Problem

- ▶ Standard commodity message boards exist
- ▶ None work very well
- ▶ Need a more scalable architecture
- ▶ Need more readable and accessible code
- ▶ Need anonymity
- ▶ Need an open source license!

Targetted Users

- ▶ *chan users
- ▶ Hobbyists
- ▶ Privacy advocates

Functionalities

- ▶ Post anonymously
- ▶ Read anonymously
- ▶ Find proxies to post/read anonymously
- ▶ Vote up or down proxies
- ▶ Be legion

Workflow: Viewing

- ▶ Visit homepage
- ▶ Click board category link
- ▶ Click board link
- ▶ Click thread link
- ▶ View posts

Workflow: Posting

- ▶ Visit homepage
- ▶ Click board category link
- ▶ Click board link
- ▶ Post thread

Workflow: Find a Proxy

- ▶ Visit homepage
- ▶ Click proxy link
- ▶ View proxies

Workflow: Vote on a Proxy

- ▶ Visit homepage
- ▶ Click proxy link
- ▶ Vote up or down a proxy

Workflow: Submit a Proxy

- ▶ Visit homepage
- ▶ Click proxy link
- ▶ Submit proxy, subject to verification

ER Diagram

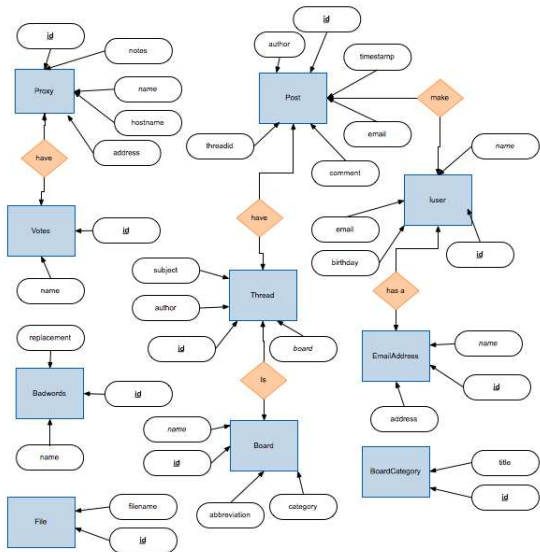


Table Design/Normalization

boardcategory

+id: SERIAL PRIMARY KEY
+title: VARCHAR(20)

badwords

+id: SERIAL PRIMARY KEY
+name: VARCHAR(20)
+replacement: VARCHAR(20)

board

+id: SERIAL PRIMARY KEY
+name: VARCHAR(20)
+abbreviation: VARCHAR(20)
+category: INTEGER = boardcategory(id)

Proxy

+ID: SERIAL PRIMARY KEY
+name: VARCHAR(20)
+address: VARCHAR(13)
+votes: INTEGER

thread

+id: SERIAL PRIMARY KEY
+subject: VARCHAR(20)
+author: VARCHAR(20)
+board: INTEGER = board(id)

post

+id: SERIAL PRIMARY KEY
+author: VARCHAR(20)
+threadid: INTEGER = thread(id)
+timestamp: TIMESTAMP
+comment: VARCHAR(160)
+email: VARCHAR(30)

Challenges

- ▶ Finding a good SQL engine(PostgreSQL)
- ▶ Finding a good DBI extension for python(PsycoPG2)
- ▶ Finding a good web framework for python(Bottle!)

Future Work

- ▶ Make prettier templates
- ▶ HTML5 conversion
- ▶ Embedded video

- ▶ Ben Kero: Logic coding, initial database design + revision
- ▶ Michael Burns: Ideas, diagrams, marketing, database design