

Scuba-Doo Dog Erasers (Karen Shekyan, Gabriel Thompson, Russell Goychayev)

Softdev

P00 -- Half Quick

2022-10-27

time spent: X.X hours

QCC

- How can we efficiently store differences between edits (edit history)?
- Is there a better way to store a "list" in SQL?

Components:

- User accounts
 - User sessions
 - A log-in and log-out system
- A route that allows users to create new articles
- A route that allows users to edit articles
- A SQLite database that stores the contents of articles, the edits made to them, and user account information
 - A hash function to encrypt passwords
- A route to serve the contents of any wiki page
- A landing page with a button allowing you to log-in to the website and sign-up for website
- Templates for each of the pages

Database Organization:

- 3 tables:
 - User info

```
create table user_info(username text, password text);
```

 - This table will be used when logging a user in, to verify that their username matches their password
 - `username` is unique, so we can match edits to their creator and there's no namespace conflicts
 - Edits

```
create table edits(id int, username text, revision_content text, timestamp int);
```

 - This table will be used to keep track of edits.
 - `id` is unique, and is used to identify edits in conjunction with the pages table.
 - `revision_content` is used to keep a history of the edits
 - `timestamp` is used to keep a history of the edits
 - Pages

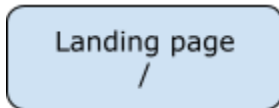
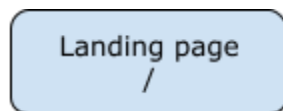
```
create table pages(title text, content text, edit_ids text);
```

 - `title` is unique
 - `content` is the html of the article

- `edit_ids` is a comma-separated list of edit ids for all of the edits made to the article. For example, if edits #200, #564, and #1337 are the only three edits to the article, then the content of the `edit_ids` would be “200,564,1337”

Site Map:

- landing page ("/")
 - Links to the /login route and the /signup route (POST requests)
- login and sign-up page("/login")
 - Logs user in
- /view_page?title=Stuyvesant_High_School
 - Contains the current content of the page
- /view_edit?id=347
 - Contains the content of the page at the point in time of some edit
- /edit_page?title=Stuyvesant_High_School
 - Brings up a form allowing for user to edit the content of page
- /create_page?title=Stuyvesant_High_School
 - Allows for users to create



Assignments of each task to each group member:

- Karen:
 - user_info tables
 - edits tables
 - pages table
- Gabriel:
 - Templates
 - /view_page, /edit_page, /create_page, /view_edit routes
- Russell:
 - /login route
 - Hash function for encrypting passcodes
 - Landing page