

# Team wiki\_nani

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## Core Fxnality

- Add page
- Edit page
- Auth
- Search
- Landing page
- Guest access
- Account Creation

## Additional Fxnality

- Remove page
- Roll-back
- Table of contents/navigation utility
- User-submitted comments on pages
- Timestamp of the last edit

## Components and Relations

### Login box

The login box will appear at the top left corner of every page in the site. If the user is logged in, the box will display a welcome message and a logout button. If the user is not logged in, the box will display a username field, a password field, a login button, and a create account button. The login button will lead to “/login”, which will authenticate the user and store their logged-in status in cookies. The create account button will attempt to create an account using the given username and password.

### Search Bar

The user can type in a query into the search bar; the app will then check the database for any valid hits, and will return those hits with links to their pages.

A “valid hit” may be defined as any row in the database whose title contains part or all of the search query.

## Results

When the user submits a search query, they will be greeted with a results page. This will include a search bar at the top, pre-filled with their current query, and results of the search. Each of these will be a link to a page, possibly followed with a short excerpt from the page contents.

## Individual Pages

When the user clicks on a specific result on a result page, they will be taken to the individual page of that result. The page will include a title, author of the page, the text content, and a button taking you back to the search results.

## Add Page

In order to add a page, the user has to be logged in. On the Add Page page, there will be a form with input/textarea fields for the title and the contents of the page and a submit button. When the form is submitted, it will be added to the database.

## Edit Page

The user has to be logged-in in order to edit a page. The edit page will first include a dropdown from which the user selects a page to edit; a form will be generated with the input/textarea fields filled in with the current title and content. When that form is submitted, the database will update to reflect the user’s edits.

## Database Schema

### Entries:

- Title
- Content
- Edited-by (ID) [1-TO-1 RELATION WITH **LOGINS**]

### Logins:

- ID
- Username
- Password

# Delegations

## Joan Chirinos

- Project Manager
  - Delegating
- Displaying wiki pages
- Drawing up diagrams, flowcharts, etc.

## Soojin Choi

- Login system
  - Add users to the database
  - Use session to determine if someone is logged in or not
  - Authenticate users

## Raunak Chowdhury

- Add/edit pages (possibly remove pages later)
  - Specifications included above in the Add and Edit Page sections

## Anton Danylenko

- Searching
  - Search for the keyword in titles of pages (maybe later implement searching through the page contents themselves)
  - Split across whitespace
  - Iterate through the resulting list while:
    - Using string.find() method to find the closest match in the database
    - Adding the match to another list
    - Return said list