

Group B - Kattis Problem Practice Tool - Documentation Plan

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Documentation Plan

The users of our project are administrators and students, and based on the current scope of the project, these will be professors and students at UNC. While we expect much of the flow of the system to be somewhat self-explanatory, we will provide the following resources for each of our users:

1. Administrators - Professors must be able to create new problems, view the list of problems, (and see student's scores?). Some of the documentation associated with this type of user assumes the user has some knowledge of the existing system architecture as designed by Professor Gary Bishop and Professor John Majikes. To compile the documentation for administrators, we will create a user manual specific to this type of user.
 - Viewing Problems - After administrators log in to the site, they will be directed to a page with the list of links to all problems in the database. Clicking on a linked name of a problem directs the user to a page for that problem, and the description of this will be included in the user manual.
 - Adding Problems - When administrators go to create a problem, this page will include a description of the process for creating a new problem and ensuring that it is accepted by the system. We will also include this description in the user manual.
 - To remove a problem from the database/site by the name of the problem, open psql, run `DELETE FROM problems WHERE name = "<problem_name>"`

2. Students - These users will most likely get a lot of information/guidance on how to use the system from the professor, but we will still create documentation on how to navigate and use the site for students. The site should be very self-explanatory for these users.
 - Viewing Problems - After students log in to the site, they will be directed to a page with the list of links to all problems in the database. Clicking on a linked name of a problem directs the user to a page for that problem, and the description of this will be included in the user manual.
 - Submitting Solution - Students will upload a solution file in their preferred language to the corresponding linked problem and receive results from the submission. This should be fairly self-explanatory, but will be included in the user manual.