



AUTOMATED SUBMISSION TO CODEFORCES

ACTORS

Final user
System

REQUIREMENT

FR_28: The system could automate solution submission to the competitive programming platform Codeforces.

DESCRIPTION

The system can automate the process of submitting source code directly from the editor to Codeforces. This eliminates the need to copy and paste solutions manually into the web interface.

PRECONDITIONS

- The user must have a valid account and credentials for the target platform.
- The user must have a valid problem and the solution code must be being edited.
- The Codeforces API must be functional.

NORMAL FLOW

1. The user provides the Codeforces account username and password
2. The user opens a file with the solution code
3. The user specifies the problem URL or the problem ID
4. The user select the option "Submit"
5. The code editor sends the code to codeforces
6. The code editor gives feedback about the submission (Failed submitting, Wrong Answer, Accepted, Time Limit, Runtime Error, Etc).

ALTERNATIVE FLOW

1. If the code is not submitted correctly:
 - 1.1. The system displays a warning message indicating the conflict.
 - 1.2. The process of sending the solution is completely interrupted.
2. If the user tries to send an empty solution:
 - 2.1. The system displays a warning message indicating that the file is empty.
3. If the same code has been sent previously:
 - 3.1. The system will receive the error data from the Codeforces API.
 - 3.2. The displays a warning message indicating duplicate code

POSTCONDITIONS

- The solution is submitted to Codeforces.
- The submission status is visible in a dedicated results panel.

NOTAS

- When the functionality for this is developed, it will be important to test it during official contest time.