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Testing Description

External Tests:

To test the API externally, we used Cargo tests (the Rust build tool) to send requests to the server. The requests test that each endpoint of the REST API respond correctly and give the correct HTTP code in the response. These external tests are used to test the system as a whole, so that we can be sure that the server runs correctly for production.

Internal Tests:

For each endpoint described in the assignment, we wrote unit tests that test specific functionalities of those endpoints. For example, for the ProblemId/robot endpoint, we have various tests for POST, PUT, and GET requests. Some of these tests are supposed to fail since they test specific parts of the server code. The others are supposed to pass by making sure the server responds to valid requests accordingly.