

- ☐ Initial questions, thoughts, to-dos, followups
 - ☐ How can you verify calls in curl?
 - ☐ Run commands with -v to see status codes
- ☐ Test Cases / AC
 - ☐ QUESTION: How long will the application wait for incoming connections?
 - ☐ QUESTION: Does the application ever timeout?
 - ☐ QUESTION: Can you update the timeout value, if available?
 - ☐ QUESTION: If it does timeout, how so?
 - ☐ Does it shutdown entirely?
 - ☐ Does it remain on, but reject all incoming requests?
 - ☐ ~~Application should respond to the specific port environment variable~~
 - ☐ ~~Application should not respond to the specific port environment variable if passing a different port value~~
 - ☐ ~~A Post to /hash in the correct format will return an identifier immediately~~
 - ☐ ~~A Post to /hash will wait 5 seconds to compute the hash in SHA512~~
 - ☐ ~~This should be a timed request to ensure that it takes a total of 5 for the request to complete~~
 - ☐ ~~What happens if you submit different forms of the password?~~
 - ☐ ~~Valid~~
 - ☐ ~~Invalid~~
 - ☐ ~~ALL CAPS of the same password~~
 - ☐ ~~What happens if you submit the same password?~~
 - ☐ ~~The hashing algorithm should be in SHA512~~
 - ☐ ~~How to verify this?!~~
 - ☐ ~~A Get to /hash should accept a valid identifier~~
 - ☐ ~~Submit a invalid identifier to GET /hash~~
 - ☐ ~~Verify it is base64 encoded from an original POST~~
 - ☐ ~~Get /stats~~
 - ☐ ~~Can you attempt to submit data in the request~~
 - ☐ ~~Total requests count~~
 - ☐ ~~Check manually by tracking requests made~~
 - ☐ ~~What requests are counted here?~~
 - ☐ ~~Average time?~~
 - ☐ ~~How to time requests?~~
 - ☐ ~~Log each command > total > calculate average > verify~~
 - ☐ ~~Should return valid JSON format~~
 - ☐ Processing multiple requests?
 - ☐ How can you send multiple request in curl?
 - ☐ No additional password requests should be allowed when shutdown is pending.
 - ☐ Send shutdown, send new password

- ☐ Or send timed shutdown? Then send requests to verify?
- ☐ Does any other action/command trigger a request count +1
- ☐ Is the total requests counting correctly
 - ☐ Any ways to manipulate that or try to break it?
 - ☐ Many simultaneous requests - does it count correctly? Are each requests successful
- ☐ Does it count bad requests?
- ☐ Can you update a password
- ☐ Can you delete a password at /hash/x
- ☐ Does sending the same password create a new identifier
 - ☐ Camelcasing password
 - ☐ All caps
- ☐ /1/2/3/4/5/6 in the url only returns the last indeifinter encoded password
 - ☐ This shouldn't work?
- ☐ Authentication on the application?
 - ☐ Can you bypass it?