Edited Distance

Center of the password.

Read it, think how to do it myself, try possibly doing it myself, then I will get the code but i will try to still create mine. Try to generelise it.

Think of an efficient way of searching a big lost of words constatly.

Javascript code. (look at visualisation libraries for javascript) (Look at NodeJS)

# Paper PSV

1. Passwords are often targetted to access security systems and even though people have made prevention techniques to cracking them (salting and hashing) but still the weak link is the human who chooses simple passwords making them easy to crack.
2. PSV (Password security visualiser)
3. PPC (Proactive Password Checker) on the client side, they are tools which indicates the strength of the password to the user whilst he is creating it.
4. RPC (Reactive password checker) on the server side, tools which often scan the system database and sending cracking attempts to search for weak passwords, inforation about the passwords is then send to administrator or/and affected users.
5. PSM (underlying algorithm to detect password strength) password meter.
6. There are studies shown that UI of PPC does help users with creating stronger passwords
7. Some people are confused about the PPC and don’t know why its there
8. There are people who know how to make stronger passwords but don’t.
9. Telapathwords was introduced, even though good way to get people to use stronger passwords, they found it hard and annoying to use. Prove that again its hard to make a good PPC.
10. (PIUs) (Password Information Units)
11. PA (Password Attribute)
12. levenshtein distance (The specific type of edit distance, google to find more) (Find a library from javascript instead of doing everything on your own)
13. Results of words stored in an array

JSON or CSV for database - CSV

Dimensionality Reduction algorithm (Research) for visualisation

Remove rotation and draw the entire universe instead of just 1 circle

Try push the "dots" away so they are evenly distributed