1. Went to Shujun to talk about how to improve the algorithm. I told him that I am struggling a lot with the maths and he gave me the idea to sort them alphabetically instead of some other algorithm. Also I mentioned to him the database I was using but he wanted me to switch it so instead he gave me a Wikipedia page. I am using a database from there now.
2. I found out how to improve the algorithm. I would take all the passwords, separate them in sectors in the circle, from 0-9, a-z, symbols. This would give me 37 sectors. I create an array with 37 entries, then add the appropriate password in the correct entry and then once it’s done it sorts them alphabetically in each sector. I also plot them based on their index in the array. This way they are never one on top of the other.
3. I have to work on fixing the zooming now because I had to change some stuff quite a bit but after a week or so I managed to get it working now back to how it was.
4. There still appear to be quite a few issues but its near the poster fair soon so I have halt the development on this as it is and started working on the poster and abstract.