Mutation test (proposal)

Team:

- Nada Abdalla Ahmed
- Fatma Rabie Abdelaty
- Abdelaziz Gamal Abdelaziz
- Esraa Adel bkr
- Nourhan Murad

Project:

Mutation test, web application in it user will know if patient has cancer or specific mutation or not from his genome.

User will upload FASTA file which has patient's genome… once the user upload a file, the algorithm will work and search for the gene that causes cancer or mutation in the whole genome and if it is found, the algorithm will print that he has cancer and if it isn't found, it will print that he is ok

technologies:

- Rabin-Karp algorithm
- Ncbi.nlm.nih.gov

Tasks:

- Front-end >>>> Abdelaziz
- Back-end >>>> Fatma & Esraa
- Biological side, algorithms and tools >>>> Nada
- Interaction between front and back >>>> Nourhan