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## Project 11

This project was the first one I had, where I felt that it went from difficult to easy. I felt that I planned it out, far better than any project prior. That said, I will say that I had to find resources to help me better understand recursion and how it can be implemented. And in doing so, I feel like it has helped me all around. I want to go back to prior projects and try to clean them up. Regardless, I decided to tackle this assignment by using pseudo code first and build around it. Because of this, I felt like I had a better foundation than normal.

The fibonacci function was simple because of Nancy's lecture and i'm glad that I paid attention. Taking the predefined algorithm, made the function definition a lot easier to implement. I also had a similar experience with designing the order in which my binary search worked. First was taking in the data file content, into a List Node. Then I copied it into an integer array and sorted it back into it. Then put the array back into the List Node and designed a function that would copy the contents of the Node into a List Array. After which, I put the List Array into my Binary Search function. The binary search and recursion sort were two aspects that took the most work. I had to reach out to my TA, Eric, for an idea of how to design it.

Overall, I am grateful for the experience and think that this is proof that I can handle a project by designing it from the ground up and then implementing it. This was definitely a victory.