

I created and gave to you to give to the rest of the students test cases for our second project. I created a test case for a palindrome. I created it as it helped give me a more holistic view of the project. Since I also created test cases, it meant that I had done all parts.

I did extra textbook practice problems that dealt with creating a DFA for the complement of a simple language. The problems that I did were 1.5d and 1.5g. I chose these problems because I was struggling with how to make a DFA for a complement of a language. Looking back now (at the end of the semester), this looks quite easy and obvious, but at the time, I was bamboozled on how to do these. On the homework, I only turned in the DFA for the original, simple language (not the complement), partially because I couldn't figure out how to do it. While doing this extra credit, I had an "aha moment" where I came to the realization that all I had to do was flip the accept and non-accept states. Once I figured this out, it all clicked. I did another practice one to make sure it worked. Now, I feel very confident doing these types of problems.

I attached a photo of my work for problems 1.5d and 1.5g.