**CSC122F2020TuringA**

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Problem summary: I got the classes interface and then I coded methods, accessors, and constructors. Two classes that I have are instruction and instructions. Those two classes are part of a Turing machine.

List of requirements: Instruction is class for a single instruction used in Turing machine. It has field variables, constructors, accessors, and methods. Instructions is a class for a group of instructions. It is an array of objects of instruction class, with its constructors, and methods. Those two classes need to be integrated into Turing machine.

Steps: When we create an array of instructions, one of the constructors of an instructions class is called and all the elements are initialized. Instructions class is using instruction class. We can add instruction to an array using some of add methods. We can also find specific instruction based on old state, and old character, using a find method. If we try to add more instructions when there’s no more available space, we will get an error message.

Testing report: I did test of classes using jGrasp workbench. Everything works as it is supposed to work. You can see picture of testing results.A screenshot of a cell phone

Description automatically generated

Time: 2hr

Two things I learned: I learned about use of Interface

I learned about using a jGrasp workbench for testing classes.