CSI 5342 Assignment 13.1

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After setting up our initial Class diagram (as seen below), we began adding in constraints to ensure our model behaves as expected.

A screenshot of a computer

AI-generated content may be incorrect.

The first constraints we added were the basic SSD and DSD role constraints:  
A screenshot of a computer screen

AI-generated content may be incorrect.

We confirmed these invariants with two example script files InvalidSSDTest.x and InvalidDSDTest.x:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Next we add in additional invariants for to check the SSD Permissions constraint:

A close-up of a sign

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A screenshot of a computer

AI-generated content may be incorrect.