CPSC 24500 - 001

Lewis University

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**Spider-man Web Fluid Simulator**

Jesse Lopez

I want to create a program that simulates spidermans web fluid formula. The program will guide the user and provide a final output saying whether or not the formula worked properly.

Summary

I will create a program that provides the user with a simulation of creating Spider-man's Web fluid. The program will provide the user with an option of chemicals they can use, it will provide them with the actual chemical formula once they have their chemicals chosen. The program will ask them to input their chemicals in 3 ways to provide the best type of web fluid (Strength, Stickiness, elasticity). Once the user has finished with the simulation, the program will give them a final output giving them a percentage whether or not their web fluid is good for swinging or not.

Challenges to Complete

1. Create all the classes and variables needed.
2. Make sure the classes run fine, the output and variables are exactly what I need.
3. The main class will depend on every other class, but the main webfluid class will take control of the whole program, providing the user a full in depth concept of what is going on along with comments.

Week-by-Week

* Week 3: Getting my variables finished, 2 of my classes (chemicals and the actual web fluid class)
* Week 6: Stickiness, Strength, Elasticity class finished
* Week 9: The main class and final output completed

List of Issues We Will Face

1. My code not being able to print because for some reason my code hasn’t been printing lately.
2. My classes accidentally running the wrong output, or my entire program not gathering the right information I provide it.

Technologies to Use

* Visual Studio Code
* Java Programming