Jesse Lopez

Object Oriented Programming

John Mikos

February 10, 2025

<div align="center">Ideas:</div>

Mouse Race but more advanced:

- A more advanced version of the programming fundamentals mouse race project from last semester

Grade Management system:

- Allows user to enter how many classes they are taking, their grades on every category (Exams, quizzes, assignments, etc) And it will basically calculate their gpa overall (Unweighted and weighted).

Bank Account simulation

- Allows users to create a bank account, give them the ability to withdraw and add money to it. Make them create a pin, and then give them an option to simulate if they were to buy a house or car or anything else. And then after it will calculate their total payments along with credit card score + total balance after. It will even warn them if they go over the amount they put in it. It is really complex I haven't even thought about everything yet

Spider-man web fluid Simulator

- This program is really complex, but it will basically involve the user being able to create spider-man's web fluid from the games. It will calculate the strength of the webs, elasticity and stickiness for it. But it will also provide chemicals that he uses for the web fluid and the user has the option to input their own amounts of the chemicals and get different factors for each option. It will provide the user with chemicals they can use to create the web fluid.