

EECS 448 - Lab 05

Do the following:

1. State the difference between aggregation and composition. Give three examples each of aggregation and composition with a brief description of why the relationship is aggregation or composition.
2. Develop a class diagram to develop chocolate cake. A chocolate cake is made with eggs, flour, sugar, baking powder, milk, and cocoa. A chocolate cake is mixed, baked, frosted, and then eaten. To prevent unauthorized individuals from baking a chocolate cake, the ingredients are private, as are all but the last operation. Don't forget to add a note to suggest that this cake is a chocolate cake. Further, develop another class diagram to develop an apple pie. Show that both the class diagrams are implementation of another class called Baked Goods.
3. Develop a class diagram for a (very simple) video game or board game of your choice (e.g. Super Mario, Snakes & Ladders, etc). Choose one that doesn't have a ton of moving parts since it will be used a number of future labs.

Deliverable: PDF containing the answer for problem 1 and the class diagrams for problems 2 and 3.