

## **Bee Movie Character Map – Alexander Xu**

### **Graph:**

This graph depicts details of numerous characters and their relationships in the Bee Movie. Each node represents a character and edges between two nodes show that there is some existing and evident relationship between the characters.

### **Nodes:**

The value of each node is the name of the character it corresponds to. The node is also coloured, which illustrates what species the character is a member of. In this graph, the bees are yellow, human beings are tan, mosquitoes are light gray, ladybugs are pink and water bugs are blue. The size of the node is a visual representation of how many other characters in the graph this character has some sort of relationship with; a character that knows five others would have a larger node than one that only knows two others.

### **Edges:**

The weight of each edge shows how good the relationship is between the two characters it connects (at the end of the movie) using integers between -10 and 10. A -10 would mean that the characters completely hate each other, a 0 means they are neutral and a 10 means they are extremely close. Integers in between show varying levels of closeness. This representation is also supported visually by the colour of the edges, which uses the integer rating of the relationship to create a colour between red and orange for ratings -10 to 0 and orange to green for ratings 0 to 10.

I chose to use these features as they allowed me to easily and accurately represent many different aspects of the characters and their relationships.