



**2. Explain the difference between the front-end and back-end**

The front end is primarily more focused on the design and formatting of an application. So this will have more focus on what is being displayed to the user. Typically, this will include HTML, CSS, and JavaScript. The backend is what focuses on the operations of an application. This includes aspects such as the connection to the database and communication with the server. This can be done in many languages such as Java, PHP, or C#.

**3. Explain what happens when you instantiate a new instance of a class in as much detail as you can.**

When you’re instantiating a new instance of a class, you are creating a new object of the class you are instantiating. This gives you the ability to use the constructors, functions, and attributes of that class. With the example of the new `AnimalAdoptionAgency(logger)`, it’s creating a new object of the `AnimalAdoptionAgency` class and will pass the `logger` parameter into the constructor to create it.