Deployment Diagrams are used to visualize the hardware processes of the system. It shows the communication and relationship between the different hardware components and the placement of software files on the hardware. For my deployment diagram, I assigned various hardware components based on previous diagrams.

The hardware and software components are:

- Environmental application server, which hosts the application.

o The software components are the application server execution environment, which has the .jar file of the application.

- Presentation server, to host the user interface of the application.

o The software components are the application server execution environment, which has the user interface file of the application.

- User server, which allows users to login or continue as a guest.

o The software components are the user, if it is a registered user or guest and the login functionality.

- Database Server, which stores all the data for the environmental components: air quality, water quality, forest quality, and predictions.

o The software components are air quality, water quality, forest quality, and predictions.

-Water Quality Server, which is the server that gets the water quality information from a probe.

o The software components are the water quality.

-Air Quality Server, which is the server that gets the air quality information from a probe.

o The software components are the air quality.

-Forest Quality Server, which is the server that gets the forest quality information from a probe.

o The software components are the forest quality.

-Prediction Server, which is the server that makes predictions based off of information from air, water, and forest probes.

o The software components are the air quality, water quality, forest quality, and prediction generated.

-Azure Cloud Server, which is the server that hosts the application.

o The software components are the presentation server, database server, and environmental server.

-Workstation, which is the actual workstation of the application. This is where the application is running, like a computer or phone.

o The software components are the .exe executable file, which allows users to install and use the application.