Kubernetes is a powerful tool for managing and deploying microservice applications. In this lesson, we will deploy a microservice application consisting of multiple varied components to our cluster. We will also explore the application briefly in order to get a hands-on glimpse of what a microservice application might look like, and how it might run in a Kubernetes cluster.

Please note: If you have followed along with this course, you have assigned nginx to port 30080 and will need to remove this service in order for the Robot Shop App to work. You can do so by using the following command:

```
kubectl delete svc nginx-service
```

Here are the commands used in the demonstration to deploy the Stan's Robot Shop application:

- Clone the Git repository:

```
cd ~/
git clone https://github.com/linuxacademy/robot-shop.git
```

- Create a namespace and deploy the application objects to the namespace using the deployment descriptors from the Git repository:

```
kubectl create namespace robot-shop
kubectl -n robot-shop create -f ~/robot-shop/K8s/descriptors/
```

- Get a list of the application's pods and wait for all of them to finish starting up:

```
kubectl get pods -n robot-shop -w
```

- Once all the pods are up, you can access the application in a browser using the public IP of one of your Kubernetes servers and port 30080:

```
http://$kube_server_public_ip:30080
```