To develop the application we need to use the 4 steps development methodology which is as below :

### **Phase 1 – Development**

This is where the application or software is discussed and created. However, fixing the application security issues in this early stage cause less problems and save money than waiting until after an application has been created or mainly created near to finish.

### **Phase 2 – Testing**

Once an application is created, it should be tested passing through multiple requirements before it’s released in a live environment. Even security has been implemented in the design it may malfuction so testing is compulsory.

### **Phase 3 – Deployment**

With these tests completed then it’s time for deployment. However, not all vulnerabilities for each application can be fixed before it goes live so testing and seeing if there is no issue with the application must be considered as an important factor.

### **Phase 4 – Monitoring**

As technologies and cybersecurity threats constantly innovate there is a need to involve security monitoring too. A great quality production monitoring process includes continuous dynamic scanning for vulnerabilities and risk profile changing overtime.