**3. A problem with a registry is that it is a single point of failure. Describe how you would solve this single point of failure problem?**

Eureka server can be deployed in the cluster to avoid a single point of failure as a set of replica peers. The consistency is maintained when these replica peers exchange discovery registries striving. Clients don't need Server affinity and can transparently connect to another one in case of failure.

**4. A problem with services is that a service can be down. If the StockService is down, the Product Service cannot work properly. Describe how you would solve this problem?**

This can be solved by implementing a discovery server Eureka and creating multiple instances of Stock Service and implementing a ribbon for load balancing. So, when one instance of Stock Service is down then load balancing will send requests to other available i.e. running services of Stock Service.