**3.3 Performance requirements:**

**Performance:**

-Offline activities should have a response time of +/- 2 seconds (instantaneous) when responding to an activity, while online activities such as calculating routes should have a response time of +/- 2-4 seconds so that the users have an uninterrupted experience.

-It should also allow the integration of a variety of services.

**Reliability:**

-It should be able to handle +/- 50 000 users concurrently (simultaneously) when implemented into a suitable production environment.

-The application should be reliable, in that it will provide the fastest route every time without fail and complete all other computations successfully.

- All activities should be completed with a 10% error allowance.

-The application should provide accurate locations in a constantly changing environment.

**Security:**

-Data transmission should be securely transmitted without unauthorized access, or loss of information.