

Non-Functional Requirements

Performance:

The system must be interactive and the delays involved must be minimal. In every action-response of the system there will be little to no immediate delays.

In the case of searching for nearby parking lots, the system will take no more than 10 seconds to find every parking within a given area.

In the case of calculating routes, the system will take no more than 10 seconds to find the shortest path to the selected parking lot.

In the case of calculating estimated time of arrival, the system will take no more than 5 seconds to calculate and display a rough estimate of the duration of the route.

Scalability:

At first the system will only support coverage of the city Skopje, once initial testing is conducted expansion to more cities will be considered.

In the case of searching for searching for nearby parking lots, the user will have the option to gradually increase the search radius up to a limit.

Availability:

The system will be available 24/7.

The system will initially require an internet connection but through use of the system the cache will slowly build up and will eventually allow for more and more effective use without an internet connection.