

# Non-Functional Requirements

<b>Performance:</b>	<ol style="list-style-type: none"><li>1. An ideal loading time should be less than 3 seconds even under high loads as anything above will result in a large increase in abandonment rates</li><li>2. A response time ranging between 200ms and 1s is desired as any more above the range would be noticeable to users</li><li>3. API should have a response time of 0.1s or less as anything above would be noticeable to users</li></ol>
<b>Reliability:</b>	<ol style="list-style-type: none"><li>1. Sportify should have uptime of 99.9%</li><li>2. Sportify should accurately represent user's current environmental conditions without any manual input from the user</li><li>3. Information provided to users should be kept current and up-to-date</li></ol>
<b>Availability:</b>	<ol style="list-style-type: none"><li>1. Sportify should be available 24/7</li></ol>
<b>Maintainability:</b>	<ol style="list-style-type: none"><li>1. Maintenance that requires downtime of Sportify would ideally be done during non-peak hours, capped to a maximum number of 9 hours per year (0.1%)</li></ol>
<b>Compatibility:</b>	<ol style="list-style-type: none"><li>1. Sportify should work with different operating systems E.g. Windows, Apple, Linux, Android, etc.</li><li>2. Sportify should be compatible with commonly used devices E.g. Smart watches, phones, laptops, smart TVs, etc.</li></ol>
<b>Security:</b>	<ol style="list-style-type: none"><li>1. Sportify should have authentication to prevent use of application by unauthorised users</li></ol>

	<ol style="list-style-type: none"> <li>2. Location details used to determine nearby sport facilities must be safeguarded, should not be used to track user</li> <li>3. Regular penetration testing should be conducted to ensure that security of user information is up to date with current cyber attacks</li> </ol>
<b>Usability:</b>	<ol style="list-style-type: none"> <li>1. Sportify can include filter options to filter out sports that may not be of the user's interests</li> <li>2. Sportify should be able to provide information in different languages</li> </ol>
<b>Scalability:</b>	<ol style="list-style-type: none"> <li>1. Sportify should be built on framework that allows easy updates to include more niche sports and environmental conditions to cater to as many users as possible</li> <li>2. Sportify should be able to handle large amounts of users during peak hours without any compromise in performance and reliability</li> </ol>