Non Functional & Functional Requirements

- **Accuracy :** This is a functional requirement. The user input of source and destination points have to be accurately utilized to create a path. The path thus designed has to be accurate in terms of the mode of elevation, percentage of limitation of the path with respect to the shortest path, that the user defines. UI Accuracy and mapping the path to Google Maps is also a key requirement.

- **Performance :** The system performance, such as, how long does it take to display the shortest route according to user specifications will be tested and satisfied.

- **Usability :** The system has to be usable in various locations, available to many users irrespective of location, and the system has to be usable in remote areas, often where elevation gain is preferred by the user.

- **Reliability :** The system has to be reliable for users in every condition. For instance, the system should give users the ability to change destinations, change the mode of elevation and still be able to get the accurate shortest path.