Non-functional requirements:

Performance and scalability:
The software should be able to deliver high performance even in case of a large input and multiple sub tasks.

Reusability:
It needs to be designed in a way that in future it can be used to create a mobile application and be capable to be reused with advancement in technology.

Security:
The security of the servers needs to be increased which will be performed by upgrading the existing module from http to more secure https.

Portability:
The software needs to be designed in a way that it is able to work across various operating system in the future.

Maintainability and Manageability:
The software needs to be designed using object-oriented principles and using appropriate naming convections such that engineers can understand it and it is easy to maintain the software in the future.

Easy to use:
The software needs to be designed in a way that it can be used by anyone who does not have a specialization in the field.

Reliability:
The software needs to be highly reliable as the nature of its function can be very sensitive to organizations and users for appropriate planning and managing deadlines.