Non Functional Requirements

Security

ID	Description
SEC1	The system must authenticate all users using a login ID and password. See Login use case for details.
SEC2	The system must not grant authorized access to unauthorized users. If a user fails 3 consecutive attempts at accessing the system, the user will be locked out for 10 minutes.

Privacy

ID	Description
PRI1	The system must protect users personal information. User's personal data must not be stored in plain text.

Scalability

ID	Description
SCA1	The system must handle up to 1000 users at one time.

Availability

ID	Description
AVA1	The system must be available 24 hours a day and 7 days a week.

Reliability

ID	Description

REL1	The system must be able to recover from unexpected downtime.
REL2	The system must backup user data to be accessible after recovery.

Efficiency

ID	Description
EFF1	The system must respond with a set of exercises in less than 1 second.

Correctness

ID	Description
COR1	The system must respond with a set of exercises that match the user's criteria (age, weight, goal).

Interoperability

ID	Description
INT1	The system must be able to function on varying web browsers.

Flexibility

ID	Description
FLX1	The system must be able to adapt to various platforms.

Usability

ID	Description
USB1	Each exercise must include a written description and visual aid.