

Functional Requirements

Use Case	Description
UC-1: View Exercise Routine	Users can view their weekly routine. They will be able to see a list of exercises within each day. There will also be a summary of the routine with information on the muscles hit and the types of exercises used (push, pull, stretch, etc).
UC-2: Update Exercise Routine	Users can add exercises from the catalogue into their routine. They can specify the day(s) to include them in. They can also change the order of exercises on a given day.
UC-3: View Exercise Catalogue	User can navigate to the exercise catalogue, which will be a user-friendly display of all exercises in the database. The catalogue will be displayed on multiple pages, with each page only showing 20 exercises. The catalogue can be filtered by muscle groups or keywords.
UC-4: View Exercise Details	Users can click an exercise in the catalogue or in their routine and be redirected to a details page with detailed instructions, images, and a list of the primary and secondary muscles it hits.
UC-5: Register Account	Users who want to store their routines or add new exercises to the database can register for an account. They can also update their password or reset it if forgotten.

Non-functional Requirements

Quality Attribute	Scenario	Associated Use Case
QA-1: Modifiability	Users should be able to create their own routines using exercises available in the catalogue, and be able to place exercises accurately in their schedule	UC-2
QA-2: Reliability	System should display accurate exercise information, so users actually hit all the muscles they intend to	UC-4
QA-3: Performance	When looking at the exercise catalogue, at least 20 exercises should load and display within 2 seconds	UC-3
QA-4: Security	User information will be secured using Django's built-in security measures, such as automatically hashed passwords	UC-5

Architecturally Significant Requirements

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Constraints

ID	Constraint
CON-1	The system must be accessible through commonly used web browsers such as Chrome, Firefox, and Internet Explorer.
CON-2	The system must be mobile friendly for easy access.

Concerns

ID	Concern
CRN-1	Use Django to leverage team's knowledge of creating web apps and obtain further experience
CRN-2	The introduction of new functionality must pull exercise data from the existing database or from a list of community-approved exercises.