***Search Exercises - Use Case***

### ***Goal***

*Customers* search for a list of exercises based on their owned equipment and body type selections.

### ***Pre-Condit*i*ons***

* The *Customer* is authenticated into the *system*.

### ***Flow of Events***

#### Basic Flow – Customer filters exercises by body targets and searches for a list of exercises

1. This use case begins when a *Customer* attempts to create a workout.
2. The *system* presents the *Customer* with a selection of body targets.
3. The *Customer* selects one or more body target filters, then searches.
4. The *system* generates and displays a list of exercises from the saved exercises stored in the system (see Additional Details below).
5. The Use Case Ends

### ***Additional Detail***

* The list of exercises displayed by the system is determined by the *Customers* body target selection and saved equipment.
* If the *Customer* does not have any equipment set in their profile, the system will respond with body weight exercises in the search.
* The *Customer* is required to select at least one body target filter before searching.

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### ***Special Requirements***

* Efficiency - EFF1 - The *system* must respond with a set of exercises in less than 1 second.
* Correctness - COR1 - The s*ystem* must respond with a set of exercises that match the user's criteria (age, weight, goal).
* Usability - USB1 - Each exercise must include a written description and visual aid.

### ***Post-Conditions***

* The *Customer* is presented with a list of exercises based on the search and profile criteria.

### ***Analyst Notes***

* N/A