D2 for Gymmy:

Gymmy is comprised of sensors ,camera ,multiple light sources and a smart-phone, which will assist the user to carry out a workout session respecting the ambient and the user potential.

The user can set up the workout by specifying the targeted body portion, using there smart-phone. Exercise will be offered to the user after the camera has scanned the site to know the equipment. The Devotion time will be prompted to the user based on their performances, usually heart rate and calories required to burn, however the personal choice will be accepted . Light indicators would mark the grip or limb positioning for the user.

Glossary:

* Location: At gym or Obstacle course.
* Workout Name: Bicep/tricep or Parkour.
* Workout time:

Actors:

* The main user.

Functional Requirements

|  |  |
| --- | --- |
| Area Code | Functional Area |
| CONFIG | Settings and preferences |
| SETTIME | Manual/Prompt |
| SETWKOUT | Set workout type |

|  |  |
| --- | --- |
| SETWKOUT | FR |
| Setting the workout | Title |
| Choosing a workout from the list of several workouts that could be conducted. | Description |
| 1 | Priority |

|  |  |
| --- | --- |
| SETTIME | FR |
| Setting the time | Title |
| Workout time could be set manually or by selecting a prompted time. | Description |
| 1 | Priority |

|  |  |
| --- | --- |
| CONFIG | FR |
| Configuring the workout difficulty | Title |
| Set to medium by default. | Description |
| 1 | Priority |

Non Functional Requirements:

|  |  |
| --- | --- |
| 1 | NFR |
| Music player | Title |
| A built-music player. | Description |

|  |  |
| --- | --- |
| 2 | NFR |
| Workout demo | Title |
| A video demonstrating the proper workout form. | Description |