**Functional**

* Keep a **record of Students**
  + First name, last name, DOB.
  + Search by name
  + Profile page
    - Details
    - Achievement
* Record student **attendance** for
  + Weekly meetings
  + Weekend Activities
  + Their personal work (parts, topics or tests completed)
  + Trimesters (1, 2, 3, 3+)
* Badges:
  + Badge leaderboard.
  + Types:
    - A-level (Achievement)
    - S-level (Special interest or skill)
    - C-Level (Core curriculum)
  + Tiers:
    - Diamond,
    - Platinum
    - Lithium
  + Each badge has 21 tests
    - 1-10 are mandatory
    - Any 3 of tests 11-21
    - Each test is broken into topics
      * In some tests students do not need to complete all the topics to complete a test. Rather students or teaching staff may choose 2-3 topics of their own preference out of the test.
      * Need to track completion of topics and completion date.
      * Topics are broken into parts
        + Need to track completion of parts

Other functionality you may like to consider

* Search function by other criteria
  + Age or something simple
* Notifications
  + Badge completion
* Notify/Permit teaching staff to search for... that are not complete (and thus focus on this for next upcoming meeting)
  + Parts
  + Topics
  + Tests
* Edit details
* Enter a planned test and name of person running it
* A schedule

**Non- functional**

•Functional = the what

–What a system must do.

–Relates directly to the process or information

–Specified behaviour between outputs and inputs

•Non-functional = attributes of the how

–Refers the behavioural properties

–Primarily affect decisions made during the design of the system

–Attributes of how a system must do it.

–Criteria that can be judged

–Categories could include (operational, performance, security, cultural)