Assignment Specification

Dates

- Final Deadline:

  - Thursday May 12th - 11pm.

- Demo Day

  - Friday May 13th

  - 30 Minutes - schedule to be published on Moodle.

Briefing 1/2

- Design & Build an application to deliver a simple but interesting User Interface to the Pacemaker Service

  - Use the Pacemaker Service API from the Agile module last Semester

  - You may wish to extend the API with revised/extended features (see runkeeper.com for ideas and concepts)

- Suitable Technologies:

  - Command Line Application (explored in labs 01, 02 & 03)

    OR

  - Android Application (explored in the lab 05 & 06)

    OR

  - Web Application (Perhaps Javascript SPA or other)

Briefing 2/2

- Application ideally should consume the REST API.

- A modest set of features will be acceptable (see spectrum on next slide or general idea)

- Implementation to be accompanied by:

  - Short 'Patterns Companion' document, outlining a selection of patterns used (Weeks 1-6 of module)

  - An 'Architectural Context' document, contextualising and documenting the architecture of the solution (Weeks 7-12 of module)

Candidate Assignment Rubric

Standard	Features	Patterns	Architectural Context	
Baseline	track & log activities / basic stats	3-4 Patterns. Single Catalogue	design artifacts traceable to capabilities	2-3 Viewpoints modeled. Architecture pattern visible in model. Archimate
	↓ Colect Data to:			
Good	reports / progress insight / dashboards	4-5 Patterns. Single Catalogue	demonstrate no functional gaps in architecture	3 Viewpoints mapped. Work product feature-complete. Archimate
	↓ Use Data to:			
Excellent	connect to friends / compare workouts	6-7 Patterns. Multiple Catalogues	solution design answers architecture requirements	3+ Visible design qualities of architecture style. Fitness for purpose proven. TOGAF AD
	↓ Augment Data to:			
Outstanding	prescribe workouts / build training plans / live coaching	8+ Patterns. Multiple Catalogues + integrated patterns	design perspectives traceable to architecture constraints	3+ architectural trade-offs explained. TOGAF AD