

Assignment Specification

Dates

- Final Deadline:
 - Thursday May 15th - 11pm.
- Demo Day
 - Friday May 16th
 - 20 Minutes - schedule to be published on Moodle.

Briefing

- Design & Build an application to deliver an interesting User Interface to the Pacemaker Service
 - The Pacemaker Service will be developed in Labs 7 & 9 as a server side Web Application + a REST API
 - You may wish to extend the API with revised/extended features (see runkeeper.com for ideas and concepts)
- 2 Technologies will be explored in the Lectures/Labs
 - Android Application
 - Java Script “Single Page” Application
- Both will consume the REST API. Full marks can be achieved by selecting one of these technology platforms
- In addition, a short ‘patterns companion’ document is required. Max 7 page pdf, outlining the patterns employed and indicating which roles are played by classes/objects in each pattern

Candidate Assignment Rubric

| Standard | Service | Client (android or SPA) | Sync Mechanisms (1 of 2 columns below) | |
|-------------|----------|--------------------------------------|-------------------------------------------|---------------------------------|
| Baseline | Local | activities <i>(see runkeeper)</i> | As Implemented in labs 9-12 | |
| Good | Deployed | reports <i>(see runkeeper)</i> | Android Services | Ember Models (ember.js only) |
| Excellent | Enhanced | friends <i>(see runkeeper)</i> | + Sync Adapters | Ember-data (ember.js only) |
| Outstanding | Extended | dashboard <i>(see runkeeper)</i> | + Broadcast Reviewers | ?? |