Specification for software to record Dental Student Attainment throughout Clinical Training

Background

The General Dental Council (GDC) now requires Dental Schools to demonstrate that their graduates fulfill all the intended learning outcomes (ILOs) described in their published document *‘Preparing for Practice’*, and that their programmes are compliant with the GDC *‘Standards for Education’*. The traditional spreadsheet-based systems, used to date, are unable to manage the longitudinal triangulated data collection required. There is a need for a bespoke software solution capable of managing both programme organisation and the monitoring of student development against all the outcomes. It needs to record a limited patient demographic data set (hospital number, date of birth, ethnicity, gender) to allow reporting of patient demographics by the NHS and tracking of patients to address any treatment-related concerns by both the School and or NHS.

Specification

The system required is a clinical feedback collection system designed to give fully quality assured data to allow students to see and reflect on how they are doing, and for staff to give feedback and make decisions on progress.

The core functionality required is:

1. A web interface which allows you to upload/edit students, staff, and timetables.
2. A mobile Application for iPads, which works offline, for the user to log into the correct session and see the correct student (from the timetable) to give feedback. This feedback should then be then synced when the device is online and sent to the database.
3. A web interface that allows users to view data, amend data, analyse data, reflect, make progress decisions, and make action plans.

In detail, the solution should come complete with:

* An iPad Application, hosted on the App Store, designed to collect quality-assured feedback data, and work offline.
* Staff, student, and timetable upload features. Designed to be as simple as possible for Dental School administrators.
* A full suite of forms specifically designed for the collection of Dental Student feedback.
* An Alert system allowing users to give alerts to students, automatic emails to users with permission, and a reporting interface to allow the collection of action plans and follow-ups.
* The ability to add/amend new activities and assign specific forms to them.
* The ability to pull reports designed specifically for the analysis of Dental data.
* The ability to pull reports to quality assure the system, including hawks and dove analysis, sync information of the tablets, and user login details.
* The ability to pull reports designed to provide activity information for the School and GDC, including patient demographics, patient attendance, and activity levels.
* Data export functions (with filters) to give access to data when required.
* A progress decision workflow, which allows key staff with relevant permissions to see student data, give additional feedback, and make action plans and progress decisions, which are then subsequently released to the students.
* A quality-assured data edit function to allow the user to make any changes to the feedback data, which can be fully audited.
* Full Portfolios for students to use in their employment.