ICT Project Nomination Form 2011

The teams choose projects based on this short description. There is no guarantee that your project will be taken, make it sound as interesting and as educational as possible.

Project Title:
Student Information iPhone App

Client retains Intellectual Property: Yes
Confidentiality Agreement required: Yes

Project Description:

Eclipse is a leading implementer of Microsoft-based Education, ERP, CRM and People Management solutions. We are Gold Certified by Microsoft and are a highly awarded Global Microsoft Dynamics partner. We deliver intelligent solutions to business problems using a mix of software, methodologies, systems. We have offices in every Australian capital city, and a development centre located in Hobart.

EduPoint ES is web-based student information system designed in Australia for K-12 (primary and secondary) schools. It was developed to be highly scalable to meet the student administration needs of many networked schools in one deployment. EduPoint ES was selected by the Department of Education Tasmania and is being rolled out to Tasmanian state schools in 2011. Once deployed, EduPoint ES will store information of over 65,000 Tasmanian school students.

The project is to create an iPhone application that can be used to access and display student information held within the EduPoint ES student information system. EduPoint ES stores information critical for teachers and staff responsible for looking after students in their care. It holds information about the student, their health and wellbeing as well as responsible adults to contact in the case of emergency.

The Student Lookup application will provide greater access to this information in more places and particularly in more remote locations where the information becomes more critical to access. It will deliver the information in a simple and intuitive interface and access to the information will be restricted to authorised teachers and staff only.

The challenges of the project will include;

- Exposing and retrieving the relevant student information held in EduPoint ES
- Ensuring the students available to the user are restricted to their individual access permissions
- Designing an intuitive mobile interface to allow both searching and browsing of students using approaches familiar to teachers and staff
- Designing a read-only interface to display both simple data sets, multi-dimensional data and images
Figure 1: EduPoint ES Student Emergency page where most of the relevant information is consolidated.

**Project Technical Information:**

- iPhone / iPad application developed in objective-C and Interface Builder
- Connection to a back end .NET web service or REST API.
- Help, code reviews and advice will be provided to ensure architecture and coding are to professional standards.

**Contact Information:**

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