ICT Project Nomination Form 2011

Project Title:
INTEGRATED MANAGEMENT SYSTEM (Small Schools)

Client retains Intellectual Property: No
Confidentiality Agreement required: No

Project Description:
Software Engineering Project 2011

INTEGRATED MANAGEMENT SYSTEM (Small Schools)

Siobhan’s Dance Studio Pty Ltd (SDS) is a private dance school comprised of some 350 students (Pre-School to Adult) and up to twelve part time teaching staff at two school campuses.

SDS requires a modern up-to-date integrated business management system to increase the efficiency of school administration including record keeping for students and staff, billing, reporting, data distribution and forward planning. The program could have sufficient flexibility to be used by other schools, sports organisations, clubs etc.

This developed system would desirably have an attractive user friendly interface for data entry and would supersede some or all of the existing complex and inefficient software developed by SDS for this purpose over many years using tools such as access, excel spreadsheets and word documents, mail-merge etc. This process is entirely separate from the accounting and government regulation requirements (MYOB, Quicken) of the company.

For a number of reasons standard ‘off the shelf’ software is not appropriate for this task. SDS has a large number of different classes available at locations such as school halls where the price per class varies according to location, class duration, student age, level of tuition, number of attendances per term, etc. There are also variable charges at times for production fees, special tuition, costume hire, rehearsals and concert attendances. Discounts are provided for many of the students on either a needs basis or for extra children from the same family. Invoices provide a reasonable level of explanation as to the various fees, discounts etc. as well as to allow brief reports on student progress, performance, upcoming events.

Accurate record keeping, attendance and reporting is required both legally and for business purposes.
The project provides an opportunity for a project team to apply creative lateral thinking and explore alternatives on how best to provide this service.

The tasks envisaged may include:

- Transforming existing programs into suitable robust program language.
- Exploring ways to improve efficiency of the process and make it visually appealing to the operator and end user.
- Building in some flexibility to allow for possible future changes or multiple purpose use.
- Application of security as necessary.
- Development of a website (only if time and resources permit).

The client is located close to the university and has ample time to assist the project team as necessary with relevant data and background information on current programs and desired upgrade of the existing systems. If appropriate SDS is prepared to negotiate a price to pay for the intellectual property and any website design based on the level of completion.

Project Technical Information:
No Preference

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