

Project 2: Education/Awareness Training Application.

Background:

In contemporary space of greater access to online knowledge and training a valuable project is to design, develop and test/demonstrate an education/awareness training application. Similar to those used at the University for Staff and Student online training modules, the application will be able to have dynamic updatable content and testing modules.

Scope:

To build an online application to facilitate education and awareness training.

Preferably written in Microsoft .Net as a straightforward n-tier application (although other architectures are allowed if the group is more familiar with them).

The application requires at a minimum user, module owner and administrative sections, a database backend to manage the data, and dual factor authentication to manage logins and accounts.

The application should work on numerous devices and for this reason being a web-based application is preferable.

The content for demonstrative and testing purposes should be based on the group members literature review content.

Content modules can be added/deleted/modified/updated, the same for the testing questions for each module.

User test/module details should be stored in the system for each and every attempt and useful feedback display mechanisms and notifications should be integral to the system.

A module and test schedule should be integrated into the system and totally customisable by the 'module owner' for the frequency users need to take a test.

A module owner can register users into a module 'pathway' or users can individually register for a module to complete.

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Further Information:

Further details and specifics of the application can be developed through weekly consultation with the lab demonstrators or through email with the course coordinator. Groups are expected to take the scope mentioned above as a bare minimum and are encouraged to research and add additional useful features to the application.