

ASSESSMENT 5 – WEIGHT 50%

This assessment focuses on the completed application, deployed in a 3-tiered architecture. Although some aspects have been evaluated in previous assessments, this assessment provides an opportunity to fix errors or improve the functionality of the system.

Project Title

Group name: _____

Members: _____

Total 130: _____

Aspect to be evaluated	Detail	Total mark	Learner mark	Comment
Software Integration		10		
	The student demonstrates the use of external code or components to add functionality to the system.	8		
	The student provides useful links to external sites, including social network sites.	2		
Overall impression	<p>The site appears neat and professional. Alignment of controls, standardized appearance, ease of navigation and logical navigation are addressed (4).</p> <p>Enough suitable BUSINESS data is displayed (at least 10 records in each table). This is demonstrated, for example, by displaying enough data when a report is opened first (4).</p> <p>The group understands the business (2).</p>	10		

3-tiered implementation	The system is deployed on a web server and can be accessed from a remote client (6). The database is on a different machine from the web server (6).	12		
Security and authentication	Security and authentication are correct in the 3-tiered deployment. This includes creation of users (3) and displaying content (3) and menu (3) according to logged-on users. It also includes restriction of users on pages for which they are not authenticated (3) .	12		
Integrity		50		
	All DML operations have the correct result in the 3-tiered deployment. Check 4 main pages. Any page with any integrity error gets 0.	4x6		
	Data integrity is ensured using defensive programming and database design. Any error not properly handled -8 (page level). Error messages that are not descriptive or specific enough -5.	16		
	Exception handling of exceptions at server level (4). Exception handling is done at the lowest possible level (6) - if an error can be handled at the page level, it should not be handled by the server. Any unhandled exception -5.	10		
Reports		16		

	<p>The reports contribute to the business functionality and are correct and properly and logically filtered and ordered. Check 4 main reports.</p> <p>Any report without suitable filter(s) gets 0. Refer to Assessment 4.</p> <p>Any error related to correctness of information results in 0 for the report.</p> <p>Any report missing critical business information gets 0. Refer to Assessment 4.</p>	4x3		
	All reports can be exported in alternative formats.	4x1		
Ready for use	The system is ready for use. Either a 10 or 0 to be assigned.	10		
Packaging	<p>All documentation and softcopy is provided in a neat package:</p> <p>Hard copy: Fully attributed ERD, Project Proposal, Database scripts, security information such as roles, users and passwords. Test cases. Installation/deployment instructions.</p> <p>Softcopy: Complete system on CD, including database script file</p> <p>-10 for any missing component/document.</p>	10		
Total		130		
Bonus features	Not included in total. Any bells and whistles	10		