XJCO2011 Web Application Development

Coursework 2 Markscheme

	Advanced	Intermediate	Basic
Web forms **(5 marks)**	- Field types appropriate to their intended content are used - Client side/server side validation is applied and informative feedback is provided to the user when incorrect input is provided	- A variety of fields are used within the forms - Client side/Server side validation is applied to ensure the integrity of the web application	- Forms are used to collect data inputted by the user - Some processing occurs on the server side

	Advanced	Intermediate	Basic
Database **(10 marks)**	- Field types appropriate to their intended content are used - Client side/server side validation is applied and informative feedback is provided to the user when incorrect input is provided - A many-to-many relationship has been implemented	- Validation is applied to ensure the data in the database is consistent - The database makes use of database relationships - Queries on fields are applied to retrieve data from the database - Primary keys have been appropriately used	- At least two models have been implemented - Correct field types have been used - Appropriate use of queries are used to display the data to the user

	Advanced	Intermediate	Basic
Authentication & sessions (5 marks)	- Users can log in and personalise their experience whilst logged in - Users can change their password	- Users are able to log in and stay logged in until they log out - if cookies are used an appropriate user privacy warning is displayed	- Some basic method of identifying the user

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Appropriate styling (5 marks)	- The web site is to a professional standard - The web site is responsive and feels natural to use on both tablet and desktop computers	- The user experience of the website is consistent - Key functionality implemented in the website is easy and intuitive to use - Some consideration has be applied to enable accessibility to the website	- The styling of the web site is appropriate for its purpose

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Unit testing (5 marks)	- All server side parts of the web application are tested using a unit testing framework. - The tests cover all boundary cases	- The unit tests cover key features of the web application - The database queries that are important to the website are tested using a unit testing framework	- A unit test has been implemented to test some functionality of the web application

	Advanced	Intermediate	Basic
Logging (5 marks)	- Logging includes different levels of severity	- Logging is implemented with useful message being saved.	- Logging is implemented either in files or as a separate database model

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Deployment (5 marks)	- The app has been deployed and all elements of the site are functioning without issue	- The app has been successfully deployed and most elements of the site are accessible	- A reasonable attempt has been made to deploy the application

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Features (5 marks)	- One or more advanced features have been implemented - Implementation is executed to a high standard - Feature(s) are directly relevant and strongly enhance the user experience	- One or more features are present - Some consideration has taken place to consider how features are integrated	- One or more features are present - Implementation is basic and simplistic

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Report (15 marks)	- The report is of a high standard - A good description of potential security risk has been provided. - The evaluation considers user experience relating ease of use back to design decisions	- The report is well presented with clear section titling - Appropriate technical language is used	- The report covers all areas highlighted in the specification - References are provided is some suitable format

Question	Marks available	Marks awarded
Web forms	5	
Database	10	
Authentication & sessions	5	
Appropriate styling	5	
Unit testing	5	
Logging	5	
Deployment	5	
Features	5	
Report	15	
Total	**60**	