

# COMP2011 Web Application Development

## Coursework 2 Mark scheme

	Advanced	Intermediate	Basic
Web forms ( <b>5 marks</b> )	<ul style="list-style-type: none"><li>- Field types appropriate to their intended content are used</li><li>- Client side/server side validation is applied and informative feedback is provided to the user when incorrect input is provided</li></ul>	<ul style="list-style-type: none"><li>- A variety of fields are used within the forms</li><li>- Client side/Server side validation is applied to ensure the integrity of the web application</li></ul>	<ul style="list-style-type: none"><li>- Forms are used to collect data inputted by the user</li><li>- Some processing occurs on the server side</li></ul>
Database ( <b>10 marks</b> )	<ul style="list-style-type: none"><li>- Field types appropriate to their intended content are used</li><li>- Client side/server side validation is applied and informative feedback is provided to the user when incorrect input is provided</li><li>- A many-to-many relationship has been implemented</li></ul>	<ul style="list-style-type: none"><li>- Validation is applied to ensure the data in the database is consistent</li><li>- The database makes use of database relationships</li><li>- Queries on fields are applied to retrieve data from the database</li><li>- Primary keys have been appropriately used</li></ul>	<ul style="list-style-type: none"><li>- At least two models have been implemented</li><li>- Correct field types have been used</li><li>- Appropriate use of queries are used to display the data to the user</li></ul>

	Advanced	Intermediate	Basic
Authentication & sessions ( <b>5 marks</b> )	<ul style="list-style-type: none"> <li>- Users can log in and personalise their experience whilst logged in</li> <li>- Users can change their password</li> </ul>	<ul style="list-style-type: none"> <li>- A new user can register, then log in to their account.</li> <li>- Users are able to log in and stay logged in until they log out</li> <li>- if cookies are used an appropriate user privacy warning is displayed</li> </ul>	<ul style="list-style-type: none"> <li>- Some basic method of identifying the user</li> </ul>

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Appropriate styling ( <b>5 marks</b> )	<ul style="list-style-type: none"> <li>- The web site is to a professional standard</li> <li>- The web site is responsive and feels natural to use on both tablet and desktop computers</li> </ul>	<ul style="list-style-type: none"> <li>- The user experience of the web-site is consistent</li> <li>- Key functionality implemented in the website is easy and intuitive to use</li> <li>- Some consideration has be applied to enable accessibility to the website</li> </ul>	<ul style="list-style-type: none"> <li>- The styling of the web site is appropriate for its purpose</li> </ul>

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Unit testing ( <b>5 marks</b> )	<ul style="list-style-type: none"> <li>- The database queries that are important to the website are tested using a unit testing framework</li> </ul>	<ul style="list-style-type: none"> <li>- The unit tests cover key features of the web application (including some boundary cases)</li> </ul>	<ul style="list-style-type: none"> <li>- A unit test has been implemented to test some functionality of the web application</li> </ul>

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Logging ( <b>5 marks</b> )	<ul style="list-style-type: none"> <li>- Logging includes different levels of severity, at least two</li> </ul>	<ul style="list-style-type: none"> <li>- Logging is implemented with a useful message being saved</li> </ul>	<ul style="list-style-type: none"> <li>- Logging is implemented and stored either in files or as a separate database model</li> </ul>

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Deployment ( <b>5 marks</b> )	<ul style="list-style-type: none"> <li>- The app has been deployed and all elements of the site are functioning without issue</li> </ul>	<ul style="list-style-type: none"> <li>- The app has been successfully deployed and most elements of the site are accessible</li> </ul>	<ul style="list-style-type: none"> <li>- A reasonable attempt has been made to deploy the application</li> </ul>
	Advanced	Intermediate	Basic
Features ( <b>5 marks</b> )	<ul style="list-style-type: none"> <li>- One or more advanced features have been implemented</li> <li>- Implementation is executed to a high standard</li> <li>- Feature(s) are directly relevant and strongly enhance the user experience</li> </ul>	<ul style="list-style-type: none"> <li>- One or more features are present</li> <li>- Some consideration has taken place to consider how features are integrated</li> </ul>	<ul style="list-style-type: none"> <li>- One or more features are present</li> <li>- Implementation is basic and simplistic</li> </ul>
	Advanced	Intermediate	Basic
Report ( <b>15 marks</b> )	<ul style="list-style-type: none"> <li>- The report is of a high standard</li> <li>- A good description of potential security risk has been provided.</li> <li>- The evaluation considers user experience relating ease of use back to design decisions</li> </ul>	<ul style="list-style-type: none"> <li>- The report is well presented with clear section titling</li> <li>- Appropriate technical language is used</li> </ul>	<ul style="list-style-type: none"> <li>- The report covers all areas highlighted in the specification</li> <li>- References are provided in some suitable format</li> </ul>

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	
<b>Total</b>	<b>60</b>	