

## Assessment Marks: BIT703v1 - Assessment 2

Result

100.00 / 100.00

Percentage

100 %

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### Overall Comments

Excellent work. A rather comprehensive report :D

Thank you for the installation instructions, took some wrangling with the WAMP but I eventually got it running :)

### Task 1

Section Result

50.00 / 50.00

Create an CMS application that communicates effectively with a database.  
8-10  
CMS database uploads without error  
New page creation and editing is simple and works  
6-8  
CMS database uploads  
New page creation and editing works  
3-5  
CMS database uploads  
New page can be created  
0-2  
CMS database fails to upload  
New page unable to be created

Assessment Criteria	Result:	10.00 / 10.00
Create an CMS application that communicates effectively with a database. 8-10 CMS database uploads without error New page creation and editing is simple and works 6-8 CMS database uploads New page creation and editing works 3-5 CMS database uploads New page can be created 0-2 CMS database fails to upload New page unable to be created		
Marking Comments		
Joomla, SQL imported just fine.		

Store editable data about the client and their business in the CMS to allow for easy editing and updating.  
 8-10  
 CMS displays all provided content  
 Almost all text or images are updateable  
 6-8  
 CMS displays most provided content  
 Most text and some images are updateable  
 3-5  
 CMS displays some provided content  
 Some text is updateable  
 0-2  
 CMS displays little of the provided content  
 Almost no text is updateable

Assessment Criteria	Result:	10.00 / 10.00
<p>Store editable data about the client and their business in the CMS to allow for easy editing and updating.            8-10            CMS displays all provided content            Almost all text or images are updateable            6-8            CMS displays most provided content            Most text and some images are updateable            3-5            CMS displays some provided content            Some text is updateable            0-2            CMS displays little of the provided content            Almost no text is updateable</p>		
Marking Comments		
<p>Content displays and can be edited owing to Joomla</p>		

Ensure the solution performs well and is usable and effective.  
8-10  
Theme displays the content in aesthetically pleasing manner  
and in a suitable layout  
The site loads quickly and is optimized  
The site is fully responsive  
Navigation is usable, simple and works well, even on mobile  
6-8  
Theme displays the content in a suitable layout  
The site loads quickly  
The site is mostly responsive  
Navigation is simple and works well, even on mobile  
3-5  
Theme displays the content in a consistent layout  
The site loads somewhat slowly or is not well optimized  
The site is not very responsive  
Navigation does not work well on mobile  
0-2  
Theme displays the content in a layout that is inconsistent  
The site loads slowly and is not optimized  
The site is not responsive  
Navigation does not work on mobile

Assessment Criteria	Result:	10.00 / 10.00
<p>Ensure the solution performs well and is usable and effective.  8-10  Theme displays the content in aesthetically pleasing manner  and in a suitable layout  The site loads quickly and is optimized  The site is fully responsive  Navigation is usable, simple and works well, even on mobile  6-8  Theme displays the content in a suitable layout  The site loads quickly  The site is mostly responsive  Navigation is simple and works well, even on mobile  3-5  Theme displays the content in a consistent layout  The site loads somewhat slowly or is not well optimized  The site is not very responsive  Navigation does not work well on mobile  0-2  Theme displays the content in a layout that is inconsistent  The site loads slowly and is not optimized  The site is not responsive  Navigation does not work on mobile</p>		
Marking Comments		

Create a contact form that allows users to reliably submit a contact request, which gives effective feedback for users.

8-10

All form inputs are validated on the client side

The form always displays clear and effective feedback to the user

6-8

Most form inputs are validated on the client side

The form generally displays clear and effective feedback to the user

3-5

Some form inputs are validated on the client side

The form generally displays some feedback to the user

0-2

No form inputs are validated on the client side

The form displays no feedback to the user

Assessment Criteria	Result:	10.00 / 10.00
Create a contact form that allows users to reliably submit a contact request, which gives effective feedback for users. 8-10 All form inputs are validated on the client side The form always displays clear and effective feedback to the user 6-8 Most form inputs are validated on the client side The form generally displays clear and effective feedback to the user 3-5 Some form inputs are validated on the client side The form generally displays some feedback to the user 0-2 No form inputs are validated on the client side The form displays no feedback to the user		
Marking Comments		
Validation tested is confirmed functional.		

Ensure the contact form includes a CSRF token, and also sanitises and validates any data before forwarding to the recipient.

8-10

The contact form includes strong CSRF protection

All form data is sanitised and validated on the server side

6-8

The contact form includes CSRF protection

Most form data is sanitised and validated on the server side

3-5

The contact form includes little weak CSRF protection

Some form data is sanitised and validated on the server side

0-2

The contact form does not include CSRF protection

No form data is sanitised and validated on the server side

Assessment Criteria	Result:	10.00 / 10.00
<p>Ensure the contact form includes a CSRF token, and also sanitises and validates any data before forwarding to the recipient.</p> <p>8-10</p> <p>The contact form includes strong CSRF protection</p> <p>All form data is sanitised and validated on the server side</p> <p>6-8</p> <p>The contact form includes CSRF protection</p> <p>Most form data is sanitised and validated on the server side</p> <p>3-5</p> <p>The contact form includes little weak CSRF protection</p> <p>Some form data is sanitised and validated on the server side</p> <p>0-2</p> <p>The contact form does not include CSRF protection</p> <p>No form data is sanitised and validated on the server side</p>		
Marking Comments		
<p>CSRF found.</p> <p>Contact form using Joomla model and assuming the field type are validated server side accordingly.</p>		
Task 2	Section Result	50.00 / 50.00

Describe the chosen web server language, database language and operating system that have proven reliability and will work together well.

8-10

Accurately names and describes each part of the stack

Provides in-depth detail of both the advantages and shortcomings of each selection

6-8

Accurately names each part of the stack

Provides detail of both the advantages and shortcomings of each selection

3-5

Names each part of the stack

Provides detail of either the advantages or shortcomings of each selection

0-2

Fails to accurately names all parts of the stack (it should be very easy!!!)

Provides limited or no detail of either the advantages or shortcomings of each selection

Assessment Criteria	Result:	10.00 / 10.00
Describe the chosen web server language, database language and operating system that have proven reliability and will work together well. 8-10 Accurately names and describes each part of the stack Provides in-depth detail of both the advantages and shortcomings of each selection 6-8 Accurately names each part of the stack Provides detail of both the advantages and shortcomings of each selection 3-5 Names each part of the stack Provides detail of either the advantages or shortcomings of each selection 0-2 Fails to accurately names all parts of the stack (it should be very easy!!!) Provides limited or no detail of either the advantages or shortcomings of each selection		
Marking Comments		

Describe how the chosen CMS offers the following features to the client:

- Build flexibility
- Support
- Extensibility
- Security
- Scalability

16-20

Accurately identifies how their CMS compares to the other two main options with an in-depth explanation for each criterion

11-15

Identifies how their CMS compares to the other two main options with an explanation for each criterion

6-10

Identifies how their CMS compares to the other two main options with an explanation for some of the criterion

0-5

Fails to accurately identify how their CMS compares to the other two main options, or does so without with an explanation

Assessment Criteria	Result:	20.00 / 20.00
<p>Describe how the chosen CMS offers the following features to the client:</p> <ul style="list-style-type: none"><li>• Build flexibility</li><li>• Support</li><li>• Extensibility</li><li>• Security</li><li>• Scalability</li></ul> <p>16-20</p> <p>Accurately identifies how their CMS compares to the other two main options with an in-depth explanation for each criterion</p> <p>11-15</p> <p>Identifies how their CMS compares to the other two main options with an explanation for each criterion</p> <p>6-10</p> <p>Identifies how their CMS compares to the other two main options with an explanation for some of the criterion</p> <p>0-5</p> <p>Fails to accurately identify how their CMS compares to the other two main options, or does so without with an explanation</p>		
Marking Comments		



Describe how the chosen solution works to effectively mitigate XSS, SQL Injection and CSRF.

8-10

Explains in depth how they implemented the CMS-based CSRF solution, or implemented their own effective solution

Explains in depth how they would make use of the CMSs XSS and SQL injection methods

6-8

Explains how they implemented the CMS-based CSRF solution

Explains how to use PHP methods to mitigate XSS and SQL injection methods

3-5

Explains the CMS-based CSRF solution

Explains how to use PHP methods to mitigate XSS or SQL injection methods

0-2

Fails to explain any CSRF solution

Fails to explain any methods to mitigate XSS or SQL injection methods

Assessment Criteria	Result:	10.00 / 10.00
<p>Describe how the chosen solution works to effectively mitigate XSS, SQL Injection and CSRF.</p> <p>8-10</p> <p>Explains in depth how they implemented the CMS-based CSRF solution, or implemented their own effective solution</p> <p>Explains in depth how they would make use of the CMSs XSS and SQL injection methods</p> <p>6-8</p> <p>Explains how they implemented the CMS-based CSRF solution</p> <p>Explains how to use PHP methods to mitigate XSS and SQL injection methods</p> <p>3-5</p> <p>Explains the CMS-based CSRF solution</p> <p>Explains how to use PHP methods to mitigate XSS or SQL injection methods</p> <p>0-2</p> <p>Fails to explain any CSRF solution</p> <p>Fails to explain any methods to mitigate XSS or SQL injection methods</p>		
Marking Comments		

Describe steps taken to improve usability and performance of the provided solution.

8-10

Explains fully the implementation of an effective form of live image compression

Explains fully the implementation of an effective CMS or thirdparty caching method that refreshes on editing

Explains fully how the theme or template is fully responsive

6-8

Explains the implementation of a form of image compression

Explains the implementation of a CMS or third-party caching method

Explains how the theme or template is fully responsive

3-5

Explains two of the following:

- the implementation of a form of image compression
- the implementation of a CMS or third-party caching method
- how the theme or template is fully responsive

0-2

Explains one or none of the following:

- the implementation of a form of image compression
- the implementation of a CMS or third-party caching method
- how the theme or template is fully responsive

Assessment Criteria	Result:	10.00 / 10.00
Describe steps taken to improve usability and performance of the provided solution. 8-10 Explains fully the implementation of an effective form of live image compression Explains fully the implementation of an effective CMS or thirdparty caching method that refreshes on editing Explains fully how the theme or template is fully responsive 6-8 Explains the implementation of a form of image compression Explains the implementation of a CMS or third-party caching method Explains how the theme or template is fully responsive 3-5 Explains two of the following: • the implementation of a form of image compression • the implementation of a CMS or third-party caching method • how the theme or template is fully responsive 0-2 Explains one or none of the following: • the implementation of a form of image compression • the implementation of a CMS or third-party caching method • how the theme or template is fully responsive		
Marking Comments		