**Internal Assessment Resource**

**Resource title**

**Website Comments System**

**Due Date: 30 August 2018**

**91879: Develop a digital outcome to manage data**

**Version 1, Credits 4, Level 1**

|  |  |  |
| --- | --- | --- |
| **Achievement** | **Achievement with Merit** | **Achievement with Excellence** |
| Develop a digital outcome to manage data. | Develop an informed digital outcome to manage data. | Develop a refined digital outcome to manage data. |

# **Task**

Develop a comments system that can be embedded into a web page. You have been provided with a php template (comments.php) to demonstrate how the system should work. You have to create the database table and implement all of the code which interacts with the database.

When a user views the webpage, they are presented with a comment form and the comments made by previous visitors to the page.

Make at least two webpages on any topic that is of interest to you. You will have to save the pages as a php files. It won’t work as an html file. The comment system is embedded into a webpage with following lines of code:

<?php

require("comments.php");

?>

You can decide on the placement of the comments. Usually it would go at the bottom of the page. You will need to decide on which order to display the comments. You can do it in ascending or descending order of comment time.

You will also need to make an administration page to show all comments made on any page that used the embedded comments system. Each comment here is listed in descending order of comment date timestamp and will have a delete link next to each comment. This needs to be done so that we can easily delete ‘bad’ comments.

You need to decide what inputs the user needs to have to make a comment. It should at least ask them for their name and the comment. Sanitise the user input so that HTML tags cannot be typed into any of the fields (Use Brush.php).

Create the database table using phpMyAdmin. The table needs to have the following fields:

|  |  |
| --- | --- |
| Field | Purpose |
| comment id | An auto-incrementing primary key field so that comments can be deleted by their ID. |
| name | The name of the commenter |
| comment | The comment text |
| page | The page the comment was made on so that we do not display comments on the wrong page. |
| comment date and time | So that comments can be sorted chronologically and comment time can be displayed against each comment. PHP can be used to either format the date or to work out the number of days ago the comment was made. |

You may add other fields if you wish. Make sure you use the most appropriate datatype for the fields.

# **Checklist**

You need to do the following:

|  |  |
| --- | --- |
| Create a database table for storing the comments and related data | Checkmark |
| Create at least two webpages on different topics which embed the comments system | Checkmark |
| Implement the database code into the provided comments.php template file | Checkmark |
| Create a php file which shows all comments in the table in reverse chronological order with a delete link/button next to each comment. |  |
| Validate CSS/HTML and provide evidence of this. | Checkmark |
| Deploy your work to a folder called ‘comments’ on wgpinfotech.ddns.net | Checkmark |
| Complete the Test Plan | Checkmark |
| Write about how you addressed the relevant implications. | Checkmark |

# **Test Plan**

Complete the following

|  |  |  |  |
| --- | --- | --- | --- |
| Test Case | Expected Outcome | Verified Outcome | Pass/Fail |
| Post a comment on the topic 1 page | The comment appears on the topic 1 page and not on the topic 2 page | I had submitted my comment with the name “Page1 Comment” I only see on my first page. | Checkmark |
| Post a comment on the topic 2 page | The comment appears on the topic 2 page and not on the topic 1 page | I had submitted my comment with the name “Page2 Comment” I only see on my second page. | Checkmark |
| Comment data | All of the inputted data from the form is in comments table | [Link to outcome](https://gyazo.com/f1b9c352c9db663b88d9c0da55a930dd) - control+click this to view evidence | Checkmark |
| Comment sorting | Comments are displayed in the correct order by date.(as specified ascending or descending) | [Comments in descending order](https://gyazo.com/0ffb1fce7066f1ec2859e734d8002740) – control+click this to view evidence | Checkmark |
| Admin Deletion page | All comments are displayed in reverse chronological order with a delete button against each. | [Comments displayed in descending order from newest to oldest](https://gyazo.com/ba72205e35e7f62dad1e6276338374a1) – control+click this to view evidence | Checkmark |
| Delete a comment | The comment is removed from the table | [Deleting a comment](https://gyazo.com/520a0946f3bbab9725092e58fd7787e4) – control+click this to view evidence | Checkmark |

# **Implications**

Some the following implications may be need to be considered while completing this system.

* social
* cultural
* legal
* ethical
* intellectual property
* privacy
* accessibility
* usability
* functionality
* aesthetics
* sustainability and future proofing
* end-user considerations
* health and safety.

Describe why some of these implications will be important to consider during the creation of the website and commenting system and how you have addressed the relevant implications.

|  |
| --- |
| Usability  This closely ties into Functionality because it might be able to do its functions but it needs to be usable through a easy way for example instead of requesting the admin to type out an entire sql query to submit a comment there is a submit area where the person that wants to comment can easily fill it in themselves.  ----------------------------------------------------------------------------------------------------------------------------------  Functionality  This is the most important aspect of my website because if I don’t have my commenting and deleting systems working otherwise I would fail this assessment completely. This is also important for the people that might use my site because the site currently represents some of my work that I can do with html, css, php and sql coding. This ties into usability because  ----------------------------------------------------------------------------------------------------------------------------------  Aesthetics  This matters a lot especially it would assist me a lot into getting a good grade for my assessment and it also helps me achieve my goal of getting an Excellent Endorsement in Digital Technologies. I did make sure that it would also look appealing to most people so when people visit my site at least it would be visually appealing. I also made sure that I would be using similar colours, so I was using adobe colour picker set to monochromatic to achieve that goal for my site.  ----------------------------------------------------------------------------------------------------------------------------------  Sustainability and future proofing  This will be very important because new versions of css, html, php and sql might be released so I am coding my site with the latest versions of the languages I had referred earlier since I would expect most of the code would work because most of previous code works with today’s current code so I would expect that this site should mostly work if there is new versions of css, html, php and sql. I also would need a login page to sustain security for the admins of my site which very closely ties into privacy.  ----------------------------------------------------------------------------------------------------------------------------------  Privacy  I have a login page and a way to check if the person that is on my admin page is logged in or not. I did this to make deleting comments a choice for admins to do instead people being able to delete each others comments at will. Although it would be nice to have a way to setup accounts that can delete their own comments but I don’t think I would have enough time to do that.  ----------------------------------------------------------------------------------------------------------------------------------  Health and Safety  When constructing this site at a school that is very against bullying it would be seen favourable to add a way of censoring my comments so there would be less cases of bullying on my site although I do doubt that a lot of people would go on my site, since it as easy as googling it to find it. The censoring could help people that a very sensitive from getting emotionally hurt if someone calls them a mean word. This also makes monitoring for any bad comments since most mean things would be censored and if there is a an outrages comment that isn’t on the censor dictionary it would be deleted and the word(s) would be added to the dictionary making admin(s) that monitor the site life’s/lives’ a lot easier. |