

Criterion E: Evaluation

Success Criteria

It must be able to receive inputs from multiple users on multiple machines.	✓ -It is able to be accessed from different browsers though they must support google login. It works on multiple devices.
It must be able to process the data that it is receiving	✓ -The input form collects and stores all the data in the database where it is formatted and processed to the desired form.
The user must be able to submit an input which allows the user to add the story.	✓ -The input form is accessed via a button on the homepage.
It requires an input which allows the user to add the story text, their name and additional notes when creating a story.	✓ -The input form allows for this data to be added to the database.
The user must be able to submit an input which allows the user to add tags to categorise the story as well as search for them.	✓ -The input form allows for pre-made and custom tags. These can be searched for in the search bar.
The user must be able to add dates with stories as well as search for those dates.	✓ -The input form takes the date of the story and the date of publication. The date of the story can be searched for.
Its user interface must be simple and aesthetically pleasing to the point where the client is satisfied with it.	✓ -The client worked with me until they were pleased with the design and had no further requests. ¹
It requires a database which stores the data that has been inputted.	✓ -The google sheet stores and collects the data that is inputted.
It requires a way to modify the data in the database, in case an input was wrong.	x-This was not implemented as of yet but will be updated in the future, as an extension, using google scripts on the database.
It requires a security system which prevents unauthorised users from accessing data.	✓ -The user must sign in with an authorised google account to view the data. They can not change the list of authorised accounts. Only the client and myself.

Evaluation

The website is able to complete the client's main purpose for it along with other features that were requested. It operates without a cost to the client or the user, and without requiring

¹ 43-Client

any maintenance. My client is satisfied with the design and the functionality.² Overall, I think it completes its purpose well though there are still some options for extension that could make it a better experience. One non crucial feature will be added in a further update as soon as I have time³. After that, all of the client's requests will be complete.

Recommendations for Future Development

The search engine could be extended to be more intelligent. It could offer an autocomplete prompt to commonly searched terms. It could also give words points based on their similarity to certain words in the story, allowing it to overlook spelling mistakes.

A more advanced search engine would be fairly complex to implement, though the rest of the code would not need to be altered. It should also be thoroughly tested as there are many things that could go wrong in the point system, finding the most relevant search. This would however slow down the speed at which the story is returned to the website to be displayed as it would take a while longer to process every spelling possibility that could be encountered, though hopefully as the operation does not require data downloads from the database, not by too much.⁴

A browse all stories could be added where the user could go through all the stories in an order of their choosing such as a chronological or popularity order.

This could be fairly simple to implement though lots of the code would need to be changed. The website would need a view all and a next button while the server would need to pull much more data. This could be optimised by pulling the next story while the user is reading the last one, though this would still require more memory allocation.⁵

The server could be moved to a paid service which would allow for faster connection and processing times than google suite offers. This would allow the story to be returned more efficiently, though my client would have to pay.

This would be easy to implement, some website addresses would need to be changed.

The user may later want "frequent searches" to show the story rather than the most frequent search term. This could easily be implemented as the server code is already there, though commented out. The website would need to be changed so that it opens and fills the right elements.

The user has requested I develop a system to modify stories which should be fairly simple, finding the story from the database, letting the client edit a copy and replacing the old story with the copy. As this is not adding a new story, data for views is saved.

² 43-Client; 47-Client, Page 7; Page8

³ 49-Developer, Page 8

⁴ 55-Developer, Page 9

⁵ 55-Developer, Page 9