COMP2011 Web Application development

Coursework 2

Submission Date: 10th January 2021

Purpose of the website:

The website serves the purpose of keeping a record of special events in form of a diary.

Features implemented:

The application allows users to create new events which are stored into a relational database. The event details include the title, date and the content. These requirements are stored into the database where they can then be retrieved later. Events can be viewed in summary as a list, or a specific event can be opened for viewing for full details.

Link to the deployed website

<https://github.com/swaiky/WAD>

Website Evaluation

The website has implemented web forms which allow users to enter data. One of the webforms include the add_event form. This form enables the user to submit data of a specific event into the database. This includes the event title and the actual content. Data validation at this level includes checking that no empty fields and allowed. The server side data validation also does not allow submission of empty fields.

The web application uses SQLite database to store information. The database used for the web application includes two tables. One table for users to login while the other table is used to store events saved by respective users. This is a many-to-many relationship. Where users are related to many events.

The web application uses Bootstrap styling to feature a clean interface. The elements are well ordered and the pages are neat. Relevant symbols are used and the organization employs a common appearance to enhance usability and familiarity to users. Clean fonts are used to make sure the content of the application is readable. Space utilization is well utilized. Additionally, the web application is responsive to ensure viewing is appropriate in smaller devices such as mobile phones.

Finally, the use of HTML5 advanced features is implemented to meet the requirements. The about.html page features a sample geolocation map from Google Maps. This will make sense to users that would like to know more about the developers and even contact the company.

Potential Security Issues to the Website

Some of the potential security issues that are likely to affect the application include sql injections. This breach can allow unauthorized personnel to access protected pages. As a result, the use of password hashing to ensure passwords are not stolen and also that each page requires authentication before access will prevent such security issues to the website.

References

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