

CCAPDEV Term 2, AY 2023 – 2024
Machine Project – Phase 0 Project Proposal

Forum Web Application for Cyber Security in the Philippines

Group #

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Introduction

In this proposed Web Application, we will plan to make a Forum Web Application in which its goal is to make a forum for cyber security in the Philippines to make it easier to find jobs, opportunities, and general to specific information regarding the information security field in the country. This will alleviate the limitation of going through a forum website such as Reddit where the information is diverse and will help people interested in cyber security to go through a forum where the information regarding cyber security is consolidated and accessible. Another goal of this cyber security forum is to promote and build a community for cyber security professionals and enthusiasts in the Philippines.

Description of the Web Application

In this section, describe your proposed web application in more detail. Describe the ways the user can interact with the website. Also list down the features in a bulleted form, with a short description for each. Also indicate which required feature from the specification your proposed feature addresses. If a feature requires more detail, you may describe it further in a succeeding paragraph. The following is a sample list of features (***Our group will plan to follow the exact specifications of the Forum Web Application as much as possible**):

- View all posts
 - Upon visiting the web page, an unregistered visitor may see the 15-20 most recently* uploaded post titles and a post description snippet. The user can see the next set of uploaded posts, it is up to the group whether to implement this in the same (auto-load) or another page. Clicking the post title will let the user view the post and the comments (see: view a post).
 - * The user may also see the most popular post based on a calculated ranking.
- Register an account

- A visitor must register if they want to post or comment. Here, a visitor must enter their username and their password.
- View a user profile
 - Each user has their own page which shows their profile publicly. On the same page, a visitor may see the user's username, profile picture, and a short description. They may also see a portion of the user's latest posts and comments. The visitor may opt to see the rest of the posts and comments of the user.
- Edit Profile
 - A user that is logged in may edit their user profile, wherein they can add / modify a profile picture, and provide a short description (can be left empty).
- Login
 - After registering properly, a visitor may log-in. Upon logging in, the user can start posting and commenting. The user is given the option to be "remembered" by the website. When the user chooses this option, every log in and visit to the website will extend their "remember" period by 3 weeks.
- Logout
 - The user may log out from their account. This should cut short the "remember" period if it exists and clears any session-related data.
- Post
 - A user may make a text post. They must give a title for the post, and the body of the post. Additional points will be given for allowing markup (e.g., rich text editing) without the risk of cross site-scripting.
- Tags / Communities
 - Created posts may be categorized either under a set of tags or under a community based on a theme. Note: only one (either tags or communities) needs to be implemented.
- View a post
 - A user may view any post they have a link to. This will load the title, the body of the post, and the comments of the post.
 - The user also has the option to view posts only with a certain set of tags or from a specific community.
- Comment

- A user can comment on any post, including their own. They may also reply to another user's comments, and the comments can nest indefinitely.
- Edit / Delete a post
 - The owner of the post may edit their posts at any point. Edited posts should have an indication that it has been edited.
 - The owner of the post may delete their post as well.
- Edit / Delete a comment
 - The owner of the comment may edit their comments at any point. Edited comments should have an indication that it has been edited.
 - The owner of the comment may delete their comment.
- Upvote / Downvote
 - A user can upvote / downvote a post or a comment (including their own) once.
- Search
 - A visitor/user can search for posts by similarities in the title or the post body. By entering a search phrase/word, all posts containing it will appear as results.
 - The user may limit or filter their search on posts with certain tags or posts from a certain communities.
- General
 - Good user experience. Visitors can easily navigate without help, all information is easy to access. Good visual design. Design suits the theme of the application, and is cohesive and consistent across the whole application