

Appendix D

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Task Description

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Instruction: Answer **ALL** the questions. You may insert extra pages.

1. Please briefly describe the module(s)/function(s) you engaged in the assignment.

The first function that I engaged in this Study Buddy Finder Application is User home page. User can view all the post in the home page and user also can click in the post for more details. And then for those user who had login their account, they can have a comment function and add post function. All of the post and comment will show the time posting and username as a information. And for the Add post function, user can insert the title and description for the post and they also can select the picture that they want to post. Besides that, for the validation part, in add post or comment post there are all having a validation to check out the input should not be empty

The second function that I engaged in this Study Buddy Finder Application is Manage user own post. User who are login with their personal account can view the previous post which post by them self in user profile page. User can have delete function if they want to delete the post, user also can delete the comment under his own post which he did not like it. Moreover, user also can edit their own post if they need to change something, for the edit function user can reselect the picture, reinsert the title and description but there also have a validation for the edit function which is user input cannot be empty. When the user edit the post the posting time will update to the editing time.

The third function that I engaged in this Study Buddy Finder Application is Search Post function. User can use this function to search the post that they are interested in. For example, when the post title is math, then the user can use the search button to insert "Math" then all the post titles which are relevant with "Math" will show out for the user.

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2. What are the strengths of the modules/functions created by you?

➤ Home Page Module

- Enhance User Interaction and Engagement.

This is because this module allows users to add, view, and comment on posts fosters a dynamic and interactive community. This feature encourages users to actively participate and engage with content, enhancing the overall user experience.

- Enhance Community Building

The ability to comment on posts allows for discussions and interactions among users, which can build a sense of community and encourage repeat visits to the platform.

- Validation for Non-Empty Input

Ensuring that user input cannot be empty helps maintain the quality and relevance of content. It prevents users from submitting blank posts or comments, which can clutter the interface and degrade the user experience.

➤ Manage Own Post Module

Manage Own Post Module

- Make sure the control over content

This app can provide users with the ability to add, edit, and delete their own posts and gives them complete control over their content. This autonomy can lead to higher user satisfaction and retention.

- Implement Comment Management

This app can allow users to manage comments under their posts and helps maintain a respectful and relevant conversation. Users can remove inappropriate or off-topic comments, enhancing the quality of discussions.

- Validation for Edits

Enforcing non-empty input validation during edits ensures that updates are meaningful and prevents accidental or empty changes. This maintains the integrity and value of the content on the platform.

➤ Search Function

- Implement content discoverability

By enabling users to search for posts by title makes it easier to find specific content, improving navigation and user experience. Users can quickly locate posts of interest, which can increase their satisfaction and engagement with the platform.

- Improve efficiency

A robust search function saves users time and effort, making the platform more user-friendly and efficient. Quick access to desired information can enhance the overall usability of the site.

Make sure the relevance

By allowing searches based on titles, the search results are likely to be more relevant and targeted, leading to a better match between user queries and available content.

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3. What are the weaknesses of the modules/functions created by you?

- Home Page Module
Limitation of the picture uploaded.
User cannot upload more than 1 picture for the post. And when user click in the post to show out the post details, they cannot click the picture to zoom in if the picture was not clear or too small.
- Manage Own Post Module
Limitation of picture edited and comment function
When using the edit function, user cannot upload more than 1 picture for the post. And for the comment module user cannot reply the comment under the post and for the Commenter, the app did not provide delete or edit function to let him modify his own comment, the comment can just be deleted by the post owner.
- Search Function
Limitation of filtering
The search function can just filter the post title, user cannot search other post details like the post owner name to display the post.

4. What have you learned in doing this assignment?

In this assignment I had learned about how to use android studio and Kotlin. This can help me a lot for my industry internship and my future to develop mobile application projects. I had also learned about the process of developing a mobile application is hard and takes so much time to complete an application.

5. What are the challenges, if any, faced by you while working on this assignment?

The first challenge that I face is when develop the mobile application I need to do more research to make sure that my application can fulfill the market required and hit the user requirement and satisfaction to make sure it was a user-friendly application

The next challenge is using android studio and Kotlin to develop a mobile app. This is because it was the first time I learned them. Even Though, I had already learned the basics in practical class, I realized that it was hard to develop all those functions.

The last challenge that I had faced was the combine part. I feel that it was so hard to combine my part with another teammate's part. It was not that easily to combine like my expected. We had spend so many time for combine and we meet many problem during combine such as we need to link all of our data for each other module, for example in study session module need link the function to Chat module and for User profile need to link all the user information to Chat module and Home Page module

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