

Appendix D

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Task Description

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Programme : RSD Group : 5

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

1. Please briefly describe the module(s)/function(s) you engaged in the assignment.
I engaged in the study session module. This module is used to find the same study style or same interest user to share study resources and learn together.
The function include in this module:
 - Create study session
 - The user can create a study session with mention specific information details of the study session
 - Delete study session
 - The user who the host of the study session can delete the study session if the user think the study session won't active anymore
 - Quit study session
 - The user who joined the study session can directly quit the study session without permission of the host if they want
 - Join study session
 - The user can directly join the study session without permission of the host
 - Search study session
 - The user can search the study session with the study session name then the user can use it the find and join the study session they like or interest
 - Study session invitation
 - The user who host of the study session can invite the other user to join the study session then the invited user can choose to accept it or decline it
 - Remove study session member
 - The user who the host of the study session can remove the user from the study session then the user can to access the resource of the study session
 - Posting study resource
 - The user who the host of the study session can make posting in the study session with text and PDF file to let other user in the study session to access
 - Edit study resource
 - The user who the host of the study session can edit the study resource that posted
 - Delete study resource
 - The user who the host can delete the study resource or the post inside the study session
2. What are the strengths of the modules/functions created by you?
The strengths of the study session module is to create study sessions and post related study resources there then the other member can easily find and gather the

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resource easily with click into the specific study session. Then, the other strength is the users can straight away render the PDF file in our application no need to download then go to device's downloads there to open then only can render the PDF. Then, the other strengths is the study session module provide multiple ways to let the member get into the specific study session such as the user can search the study session name then click join button to join the study session or the user also can be invited by the host of the study session then when the invited user click the accept button then the user will joined the study session.

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

The weaknesses of the study session module is that it doesn't have the video call or stream function so if the users or host want to make some briefing or call to discuss something or learn together will need to use another app to do it. But we provide the posting function can let the host to post the information of the other app for video call or stream such as google meet link and so on

4. What have you learned in doing this assignment?

I have learned how to use the adapter and the recycle list to provide better performance. Then, I also learned how to connect the application to the firebase and use the firebase such as gather data and insert data into the firebase by the application user interface. Then, I also learned how to upload the PDF to the firebase and directly read the PDF in the application. Then, I also learned how to use the string.xml and color.xml with my application. Then, I also learned how to generate a good user interface in an android app.

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

The challenge is that the study session modules are needed to clarify the relationship between the specific study session and the specific user in firebase and also show in the system to ensure the study session works smoothly. Then, the other challenges is the PDF part in the study session posting function because need to used the correct way to store the PDF into the firebase then use the correct way to show the PDF to the user in our system it is not like the way that image used so need to spend time to research and try.

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/Signature: WS

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