

# Sri Lanka Institute of Information Technology

## Programming Applications and Frameworks (IT3030)

Continuous Assignment – 2023, Semester 1

Progress Document 2

GROUP ID: Cyan\_145



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## Member 1 (IT20 7082 76) – Post Management Service

1. What they planned to do for the two weeks.
  - Managed to create react components for a user to view there page as well as other users content
  - Decided upon using MySQL to store data
  - Implement the explorer page to view all users work
  - Modifying the code to accept multipart files and store them in the MySQL database
  - Designed the front end of the post management implementation so that it looks presentable
  - Do weekly commits on github
  - Implement a search function to search a another post based on location
  - Implement a location attribute so that it dynamically search the location of the user
2. How much they have completed of the planned work.
  - Managed to create react components for a user to view there page as well as other users content
  - Decided upon using MySQL to store data
  - Implement the explorer page to view all users work
  - Designed the front end of the post management implementation so that it looks presentable
  - Do weekly commits on github
3. If they couldn't complete the planned amount of work, reasons for that.
  - Since I was struggling with the type conversion of the image I couldn't manage to successfully implement the Http Methods for image uploading / downloading
  - Because I was working with the previous implementation the search function could not be properly focused on
  - The dynamic location feature was introduced during our feedback session
4. Any difficulties, challenges they faced, and solutions found for these.
  - Struggle with implementing react front end because personally I did not have any prior experience with React however managed to instruct myself with online resources
5. What they plan to do for the two weeks.
  - Finish my work on search function based on post
  - Implement the location function imposed during feedback session
6. Anything else important related to their part of the assignment (design changes etc.)
  - Initially since the image uploading is ongoing we have decided to hardcode an image to the front end and keep working on the other features in order to manage time
7. Anything else as specified in the assignment document.

## Member 2 (IT21054686)-comment management system (Interaction management system)

1. What they planned to do for the two weeks.

- Creating the REST API including GET, POST, PUT and DELETE Mappings
  - Create the User Interface for relevant function using React and learn spring boot
  - Figure out how to create a server application with backend implementation
  - How to connect Application to a cloud Storage
  - Do weekly commits on submission to keep the group informed
  - Complete the REACT frontend
  - I am planning to complete testing overall function
2. How much they have completed of the planned work.
- Setting up the necessary database tables and developing API endpoints for handling user comments
  - Completed backend for comments management by following spring boot tutorial
  - Complete the REACT frontend to make it much more presentable and user-friendly
  - I am planning to complete testing overall function
3. If they couldn't complete the planned amount of work, reasons for that.
- A few particular errors delayed us from integrating whole system and testing it all.
4. Any difficulties, challenges they faced, and solutions found for these.
- challenges with figuring out how the systems are interconnected
- Solution: Taking advantage of a variety of references and gitwork flow
5. What they plan to do for the two weeks.
- Plan integrating the system and conduct an improved user interface and get reviews more
6. Anything else important related to their part of the assignment (design changes etc.)
- Make an effort to provide users with more user-friendly tools so they can comment on other postings in an interactive way.
7. Anything else as specified in the assignment document.
- Plans to integrate all the components

### Member 3 (IT21 035 876) - User Management Service

1. What they planned to do for the two weeks.
- Creating the REST API including GET, POST, PUT and DELETE Mappings
  - Create the User Interface for relevant function using React and learn spring boot.

- Figure out how to create a server application with backend implementation.
  - How to connect Application to a cloud Storage
  - Do weekly commits on submission to keep the group informed.
  - Plan to complete back end by springboot by follow some course.
  - Plan to complete the front-end design with connecting database.
  - Complete the springboot to make it much more presentable and user-friendly.
2. How much they have completed of the planned work.
    - Setting up the necessary database tables and developing API endpoints for handling user profile
    - completed the frontend design without connecting database.
    - Complete the springboot to make it much more presentable and user-friendly.
  3. If they couldn't complete the planned amount of work, reasons for that.
    - We could not integrate project due to We could not integrate project due to a few particular errors delayed us from integrating the whole system and testing it all.
  4. Any difficulties, challenges they faced, and solutions found for these.
    - Difficulties with having a challenge with figuring out how the systems are interconnected.  
Solution: taking advantage of a variety of references and gitworkflow
  5. What they plan to do for the two weeks.
    - I am planning to integrate the system and conduct an improved user interface.
    - I am planning to complete testing overall function
  6. Anything else important related to their part of the assignment (design changes etc.)
    - Try to provide users with more user-friendly tools so they can comment on other postings in an interactive way.
  7. Anything else as specified in the assignment document.
    - Plans to integrate all the components as soon as finished the functions individually.

## Member 4 (IT21 0075 38) – Like/Dislike, Follow/Unfollow Management

8. What they planned to do for the two weeks.
  - To finish developing the like/dislike function
  - Start to develop the backend and frontend of following and unfollowing functions
  - Do commits to GitHub
9. How much they have completed of the planned work.
  - Finished the like/dislike function
  - Completed half of the backend of follow profile function
10. If they couldn't complete the planned amount of work, reasons for that.
  - I couldn't start the frontend of the follow function because I was run out of time making frontend

- Since the new year break, I had the lack of time to finish the backend of follow function too.

11. Any difficulties, challenges they faced, and solutions found for these.

- Difficulties faced when connecting the backend and the frontend together in the function

Solution: Watched online tutorials and read solutions for the error by searching the error in stack overflow

- Errors occurred when developing the tables in the backend of the follow function

Solution: Followed a proper tutorial video and fixed the errors

- When coding in the vs code, sometimes they showed the errors

Solution: Read about the error displayed automatically by vs code and fixed the errors by the quick fixes they have mentioned

12. What they plan to do for the two weeks.

- Complete the whole function of follow management
- Connect the backend and frontend of functions

13. Anything else important related to their part of the assignment (design changes etc.)

- Try to make more interactive UI

14. Anything else as specified in the assignment document.

- Plan to integrate all components

## SCREENSHOTS OF GIT REPOSITORY:



GIT HISTORY: Weekly Commits (April)

Commits on Apr 20, 2023

Merge pull request #11 from PAF-IT3030/loginUser  
IT21035876 committed 26 minutes ago

Verified2f6da5e<>

login  
IT21035876 committed 27 minutes ago

cd54744<>

Merge pull request #10 from PAF-IT3030/IT21035876/User  
IT21035876 committed 1 hour ago

Verified6c33e92<>

user  
IT21035876 committed 1 hour ago

ecdaa38<>

Merge pull request #9 from PAF-IT3030/IT21054686/COMMENT  
it21054686 committed 1 hour ago

Verified3a912fe<>

Comment progress 2  
it21054686 committed 1 hour ago

2f2e4a9<>

Commits on Apr 12, 2023

Update README.md  
IT20708276 committed last week

Verifiedab1c219<>

Update README.md  
IT20708276 committed last week

Verified00fcfa2<>

Commits on Apr 5, 2023

Merge pull request #7 from PAF-IT3030/IT21054686/commentManagement  
it21054686 committed 2 weeks ago

Verified8184b3e<>

Comment Management edited  
it21054686 committed 2 weeks ago

63f200c<>

Merge pull request #6 from PAF-IT3030/IT21035876/UserManagement  
IT21035876 committed 2 weeks ago

Verified685207a<>

User Management edited  
IT21035876 committed 2 weeks ago

bfe4831<>

Delete ~\WRL1776.tmp  
IT20708276 committed 2 weeks ago

Verified7a66500<>

Delete ~\WRL0005.tmp  
IT20708276 committed 2 weeks ago

Verifieddfbeef<>

Delete ~\\$ogress\_Report\_1\_145.docx  
IT20708276 committed 2 weeks ago

Verifiedee4c702<>

2nd Submission Post Management Edited  
ACER authored and ACER committed 2 weeks ago

f510ae8<>