



PHASE 2 PRESENTATION

Class: DIT/FT/3A/03

Group: 94

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Tan Jing Yi - 1922674

Zann Choy - 1922660

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Introduction

PSLE ONLINE

What is PSLE ONLINE?

A website that allows parents/teachers to assign quizzes to student and able to track their progress. Also, other than assignment, student could attempt quizzes on topics that they are interested in and view their progress.

Parents can assign homework to their children through the platform and monitor their child's academic progress without spending unnecessarily on assessment books that are eventually thrown away after one use. It also automates the time-consuming task of marking worksheets, providing students instantaneous feedback on their work.

PSLE ONLINE

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Objectives



Student can do quiz



Assign quiz and monitor student progress and benchmark



Develop admin quiz control



Develop a web application: frontend, backend & database

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Student Functions



- Signup
- Login
- Reset Password
- CRU user
- View global benchmark
- View global leaderboard
- View all outstanding assignments
- View all assignments by group
- View Past Assignments
- View all groups
- View all members in group
- Giving/Removing admin rights
- Adding/Removing group members
- View group Leaderboard
- View group benchmark
- View post by group
- Do quiz
- Do assignment
- Get notification when educator assigned assignment
- Get notification when student completed assignment
- View all notification
- Delete notification
- Access learning resources
- Play mini game



Educator Functions



- Signup
- Login
- Reset Password
- CRUD of groups
- View all groups
- View all members in group
- Giving/Removing admins right
- Adding/Removing group members
- Assign assignments to group
- View progress for group (whether student completed the assignments)
- View group leaderboard
- CRUD of announcement
- Get notification when assigned assignment
- Get notification when student completed assignment
- View all notification
- Delete notification



Admin Functions



- Login/Logout
- Create, update, delete Level
- Create, update, delete Topic
- Create, update, delete Skill (ie Sub-Topic)
- Set Numerical Parameters of quiz sub-topic
- Set Number of questions of quiz sub-topic
- Set Duration of quiz (by sub-topic)
- Set the number of questions in percentage for easy, medium, difficult levels of difficulty



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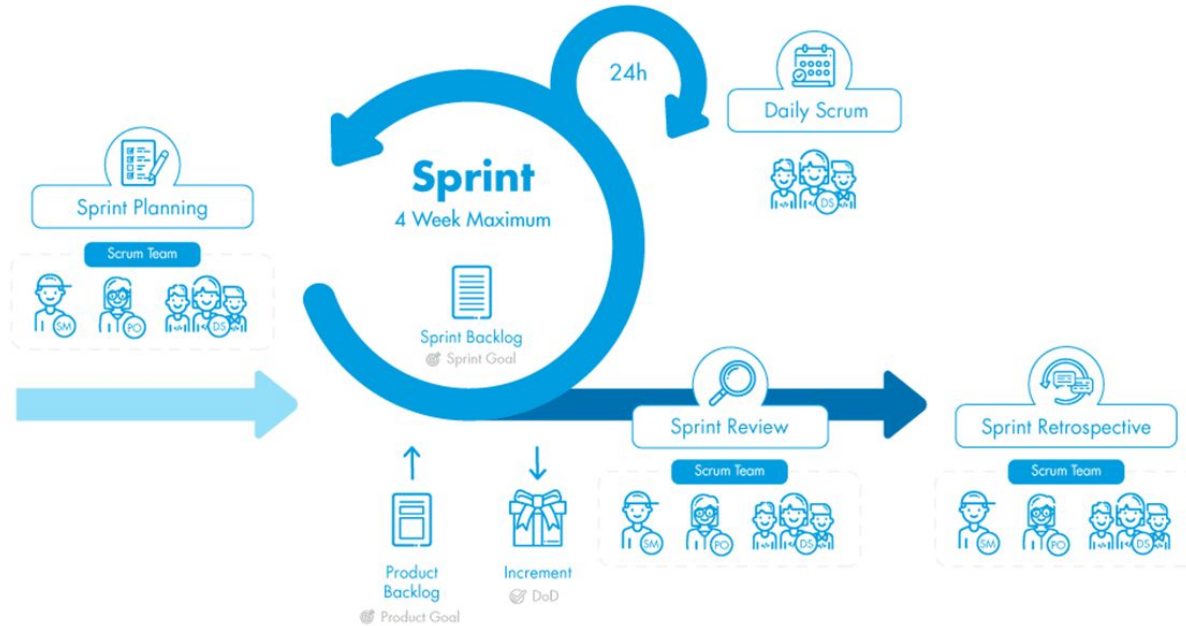
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Method & Execution

SCRUM



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Daily Scrum



Date: 20/07/21

Sprint: 5



Week No. : 14

Name	What have you done before today?	What are you going to do next?	What are your obstacles?	01
Rasmita	Continue to work on the notification page	Attempt to start doing the profile settings	Had a hard time doing the coding the notification page	02
Jamie	Redo logo design	Submit and consult with client on decision of logo	-	03
Hui Yan	Done with add/remove member functions have to redo entire post schema	Starts on create and view post functions	Redoing the entire post schema as the structure is incorrect, behind of schedule	04
Zann	Sick from vaccine	Detailed, Comparison, filter api and function page		05
Jing Yi	Admin Quiz Control Panel	Continue with quiz control panel validation and design	-	06



Sprint Backlog



Backlog Item	Assigned To	Deadline	Date Completed	Total Effort 
Confirming logo with client	Jamie	1 Aug	2 Aug	1
Outstanding Assignment Page (Student)	Jing Yi	5 Aug	6 Aug	8
All Groups Page	Jing Yi	22 July	27 July	12
Create Group Form	Jing Yi	22 July	27 July	6
Edit Group Form	Jing Yi	27 July	27 July	14
Group Announcement Page	Jing Yi	29 July	29 July	20
Group Outstanding Assignments	Jing Yi	6 Aug	8 Aug	18
Group Progress	Zann	29 July	29 July	30
User Profile Page	Rasmita	13 July	10 Aug	6
Notifications Page	Rasmita, Zann	13 July	12 Aug	10
My Statistics Page	Zann	29 July	29 July	30 
View Past Quiz	Zann	11 Aug	11 Aug	5

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Backlog Item	Assigned To	Deadline	Date Completed 	Total Effort
Backend				
Redo CRUD of post functions	Hui Yan	27 July	26 July	30
As a student/educator, I want to view notification, So that i can get notify of any events	Hui Yan	27 July	3 Aug	40
As a member of the website, I want to be able to update my profile, So that I can change user information that is outdated.	Jing Yi	20 July	20 July	8
As a user of the website, I want to download learning resources, So that I can have access to the past year papers for practice.	Jamie	27 July	2nd August	5
As a member of the website, I want to log out, So that I can exit the website.	Jing Yi	20 July	20 July	3
As a member of the website, I want to be able to delete my account, So that I can remove my account if I am no longer using it.	Jing Yi	20 July	20 July	8
Additional				
Web socket 	Jing Yi	29 July	29 July	20

Test Plan



Test Cases



User Manual Guide



Client testing



Feedback Survey



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Demonstration

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Analysis of Results

Test Result

49 Test cases

→ 47 pass cases

→ 2 failed case due to errors in code.

Send notification feature for both users
(student & educator)

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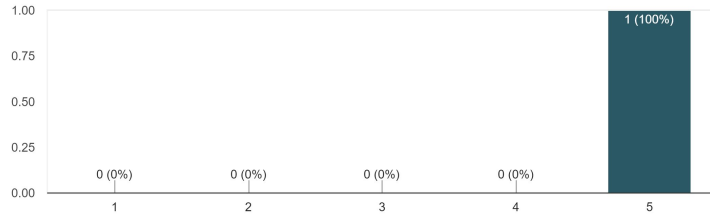
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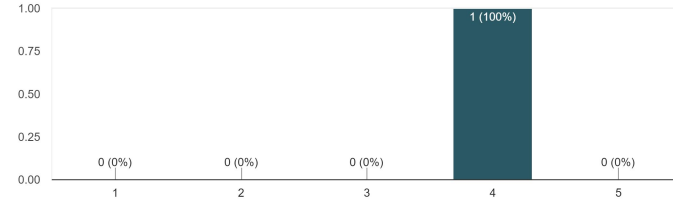
Client Feedback



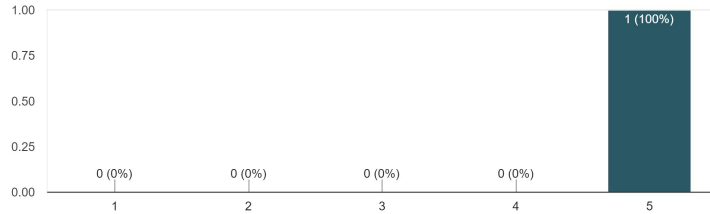
Overall ease of use
1 response



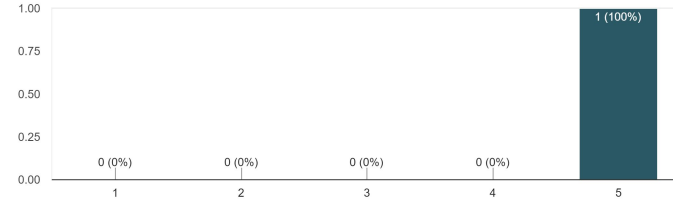
Overall look and feel of the website?
1 response



Overall page layout and organization
1 response



Were the naming and labeling of links clear?
1 response



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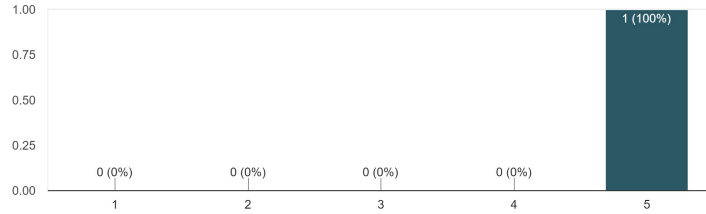
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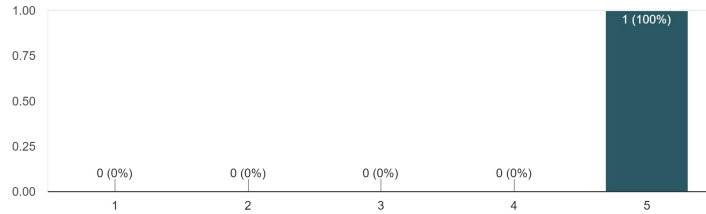
Satisfaction with the system?

1 response



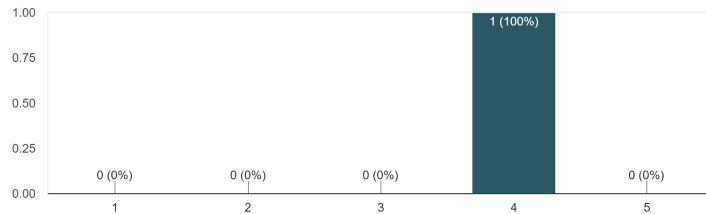
Likelihood in further developing and using the system.

1 response



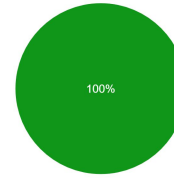
To what extent the system met the requirements?

1 response



Are you able to understand how to use all the features in the web application?

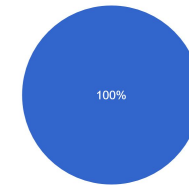
1 response



- (0%) No, I do NOT understand anything.
- (50%) I do not understand SOME of the features.
- (80%) I can understand MOST of it.
- (100%) Yes, I can understand ALL of the features.

Do you find the website user friendly?

1 response



- Yes
- No

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Conclusion

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Contribution

Lem Hui Yan

Team Role: Leader

Project Role: Back-End Web Developer, Quality Assurance Tester, Documentation Writer

Task:

1. Contribute in Use Case Diagram and Specification
2. Aid in writing User Stories
3. In charge of all Scrum related material (Product Backlog, Sprint Backlog, Daily Scrum, Weekly Monitoring Report)
4. In charge of creating Burndown Chart
5. Contribute in writing minutes of meeting
6. Evaluate whether the system performs as intended, oversee team's progress and give suggestion
7. Phase 1 Report
8. Phase 1 Slides
9. Phase 2 Report
10. Phase 2 Slides
11. Code for groups functions
12. Code for post functions
13. Code for assignment functions
14. Code for notification functions
15. Writing minutes of meetings
16. Sprint backlog
17. Burndown chart
18. User testing
19. User testing post survey questionnaire
20. Promotional materials

Jamie Tan Mei Qi

Team Role: Assistant Leader

Project Role: User Interface and User Experience Designer, Front-End Web Developer.

Task:

1. Creating Moodboard
2. Design Frontend
3. Sitemap
4. Create low-fidelity wireframes
5. Create high-fidelity wireframes
6. Wireframes Prototype
7. Develop front-end
8. Contribute to Use Case Diagram
9. Aid in writing User Stories
10. Phase 1 Report (Design Specification)
11. Phase 1 Slides
12. Phase 2 Report
13. Phase 2 Slides
14. Code all the public pages
15. Code Learning resources
16. Code Student overview page
17. Design Logo, banners, gifs design for website
18. Test cases
19. User testing post survey questionnaire
20. User manual guide
21. User acceptance test
22. Usability test
23. Promotional materials (poster & video)






Rasmita Raine



Team Role: Member

Project Role: User Interface and User Experience Designer, Front-End Web Developer.

Task:

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- 
1. Creating Moodboard
 2. Design Frontend
 3. Sitemap
 4. Create low-fidelity wireframes
 5. Create high-fidelity wireframes
 6. Develop frontend
 7. Assist in user story
 8. Contribute to Use Case Diagram
 9. Contribute in writing minutes of meeting
 10. Phase 1 Report
 11. Phase 1 Slides
 12. Phase 2 Report
 13. Phase 2 Slides
 14. Code for Sign up page
 15. Code for Login page
 16. Code Forget Password Page
 17. Design Logo
 18. Code for account settings page
 19. Code the Notification settings page
 20. Code the Logout page
 21. Code upload Pic Setting page
 22. User manual guide
 23. Assist in User Guide
 24. User testing post survey questionnaire
 25. Promotional materials
- 

Tan Jing Yi

Team Role: Member

Project Role: Full-Stack Web Developer, Database engineer, Documentation Writer

Task:

1. Aid in Use Case Diagram and Specification
2. In charge of creating User Stories and Acceptance Criteria
3. Aid in writing Product Backlog
4. Aid in Class Diagram
5. In charge of setting up database and schemas
6. Aid in writing codes related to operations with the database
7. Phase 1 Report (Introduction, Project Analysis, contribute to Research, Project Methodology)
8. Phase 1 Slides
9. Phase 2 Report
10. Phase 2 Slides
11. Quiz functions (Backend)
12. Admin Quiz Control page (Frontend & backend)
13. User functions (Backend)
14. Leaderboard (Frontend & backend)
15. My Groups page (Frontend & integration)
 - All groups page
 - Group Announcement Page (sockets)
 - Create, manage group Form
 - Create assignment form
 - Group Assignment Page (+backend)
 - Group members Page
 - Group leaderboard
16. Student assignment page (Frontend & integration)
17. Phase 2 Report

Zann Choy

Team Role: Member

Project Role: Full-Stack Web Developer, Documentation Writer

Task:

1. Use Case Diagram and Specification
2. User Stories and Acceptance Criteria
3. Aid in writing Product Backlog
4. In charge of Class Diagram
5. Writing algorithms
6. Phase 1 Report
7. Phase 1 Slides
8. Integrating quiz generator algorithm provided by client & implementing additional quiz functionalities to display inputs accordingly
9. Quiz page, choose quiz page (Frontend & integration)
10. Mark quiz and display benchmark graphs (Frontend & Integration)

11. My Statistic page (Frontend, integration, backend)
12. My Group Statistics (Frontend, integration, backend)
13. Login, Signup & Logout (Integration)
14. Update Profile (Integration)
15. Overview Page (Integration)
16. 2D Javascript game (Frontend, integration, backend)
17. Reset Password
18. Side Navigation
19. Quiz Control Page (Integration)
20. View past assignments page (frontend & integration)
21. Test Cases
22. Deployment of web application
23. Deployment Guide
24. User Guide

Thanks!

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