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| A logo on a black background  Description automatically generated | |
| **Faculty of Science and Technology**  **CISC3003 – Web Programming** | |
| **Project Title: Campus Q&A** | |
| **TEAM 04** | |
| **PAIR 06** | |
| Huang Yanzhen | DC126732 |
| Li Ruoxuan | DC027534 |
| **PAIR 04** | |
| Chen Zirui | DC127901 |
| Guo Pengze | DC127461 |
| **PAIR 24** | |
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# 1 Abstract

In the University of Macau and many other campuses, there has never been a unified school forum, which causes bothering problems. For instance, a new student may want to get familiar with the environment in the campus, but he or she doesn’t know who to ask the question. Therefore, we hope to develop a student forum website, so that everyone can freely raise and discuss their questions in study and life and receive answers from enthusiastic students, even if they are strangers.

Campus Q&A is such a platform that allows students on campus to ask and answer questions. The target user of this website are campus students. A student can post a public question for all students to answer and answer a public question by replying to the corresponding public post. The basic of these extraordinary features is the user account management system, which is realized in this project. A user can sign up/delete an account, as well as login/logout an account. The user can also modify the account information. Critical modifications must be validated via email using tokens.

The plat form is built using HTML+CSS+JS as the front-end framework, and PHP+MySQL+Apache as the back-end framework.

# 2 List of Services

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| Post a Question |
| Close / Re-Open a Question |
| Reply to a Question |
| Sign up / Delete an Account |
| Login / Log out an Account |
| Alter a user name and email |

# 3 List of Tasks

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| **Task** | **Work Distribution** | |
| Project Coordination & Version Control | PAIR 06, PAIR 04, PAIR 24 | |
| Front-end Design & Implementation | All Posts, Login/Signup | PAIR 06 |
| All Posts Page | PAIR 04 |
| Post Details & User Details | PAIR 24 |
| Backend Design & Implementation | PAIR 06, PAIR 04, PAIR 24 | |
| Digital Story Scripting | PAIR 06, PAIR 04, PAIR 24 | |
| Project Summarization | PAIR 06, PAIR 04, PAIR 04 | |

# 4 Project Accomplishments

<https://github.com/YanzhenHuang/CISC3003-Final-Project>

1. ***aboutMeStyles.css*:** Stylesheets for *about-me.php* explicits.
2. ***allPostsStyles.css*:** Stylesheets for *all-posts.php* explicits.
3. ***loginSignupStyles.css*:** Stylesheets for *login.php, signup.php* explicits.
4. ***postDetails.css*:** Stylesheets for *post-details.php* explicits.
5. ***styles.css*:** Universal stylesheets.
6. ***handleEmptyForm.js:*** Prevent submitting empty form.
7. ***pwdVisibilityToggle.js:*** Toggle password visibility.
8. ***button.php:*** Render a nicely-styled button.
9. ***question\_card.php:*** Render a nicely-styled question card view.
10. ***validations.php***: Update user validation status.
11. ***check\_duplicates.php:*** Check duplicates attributes in database.
12. ***cookie-session-settings.php:*** Quick actions for cookies and sessions.
13. ***formatter.inc.php:*** Process and return a display string representing the time difference between the given date and time and the current date and time.
14. ***generate-token.php:*** Generate user validation token.
15. ***send-email.php:*** Send an email.
16. ***config-db.php:*** Database configuration.
17. ***process-alter-user-details.php:*** Change user details.
18. ***process-change-password.php:*** Change password.
19. ***process-delete-account.php:*** Delete account.
20. ***process-delete-post.php:*** Delete post.
21. ***process-delete-reply.php:*** Delete reply.
22. ***process-login.php:*** User login.
23. ***process-post.php:*** User post question.
24. ***process-reply.php:*** User reply to a question.
25. ***process-signup.php:*** User signup.
26. ***process-toggle-post.php:*** Toggle post between close and open.
27. ***process-validate-account.php:*** Validate account token.
28. ***about-me.php:*** About-me page.
29. ***all-posts.php:*** All-posts page.
30. ***change-password.php:*** website for change-password.
31. ***login.php:*** Login page.
32. ***post-details.php:*** Post-details page.
33. ***signup.php:*** Sign Up page.
34. ***validate-account.php:*** Validate account page.
35. ***post.sql:*** sql table for post.
36. ***qa\_user.sql:*** sql table for user.
37. ***reply.sql:*** sql table for reply.

# 5 Project Incomplete

This project lacks email validations in deleting account.

This user token won’t expire in this project, while in production they should have an expire date.

# 6 Team-Assessment

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| DC126732 Huang Yanzhen | Raw Score Assigned | Raw Score Earned |
| Project Proposal (at least 3 A4 pages but no more than 6 pages; -2 points for Proposal below three A4 pages or exceeding six A4 pages) | 5 | 5 |
| Project PPT (improved over the version on the day of presentation not more than 20 slides; -2 points for PPT below 10 slides, or exceeding 20 slides; ZERO for no PPT submitted) | 5 | 5 |
| Project Deliverables (5 points for working HTML/CSS/JS/jQuery/PHP/ coding + 5 points for screen images captured from successful test-run + 5 points for media queries to enable responsive design; ZERO for not working coding, ZERO for no screens captured for successful test-run, and ZERO for not supporting mobile first, responsive web design) | 15 | 15 |
| Project Archive (5 points for zip file of the Eclipse workspace, including all related Web project files, 5 points for readme file, and 5 points for screen shots) plus a project (public access) GitHub link for easy reference (10 points) | 25 | 25 |
| Project Report - Abstract (200 words; -3 points for below 100 words, or for exceeding 200 words) | 5 | 5 |
| Project Report - Project List of Services (ZERO for no list of project services given) | 5 | 5 |
| Project Report - Project List of Tasks (5 points for Group + 5 points for Individual; ZERO for no group/individual tasks provided) | 10 | 10 |
| Project Report - Project Accomplishments (-5 for no list of project accomplishments provided, including HTML/CSS/JS/jQuery/PHP/SQL files/media queries) | 5 | 5 |
| Project Report - Project Incomplete - What have not been done! (-5 for no concise conclusion of what has not been accomplished) | 5 | 5 |
| Project Presentation Video (no more than 15 minutes: -2 points if no team members information in the video; -3 points if not every member got involved in the presentation) | 5 | 5 |
| Project Self-Assessment Rubric (5 points) + Team Assessment based on the Rubric (5 points); -5 points if no such rubric provided in the report; -5 points if no self-assessment is done in the project archive (Word document) | 10 | 10 |
| Total Score   * -95 points for no individual submission from submission link, but only team member's submission * -10 points if project is not completed as a full-stack Web application (covering both front-end Web design and backend Web application development) * -10 points if project does not include a working signup/login module implemented as a full-stack Web application * -10 points if project does not include screen shots to properly prove the working of the system services. | 95 | 95 |
| Semester Score (10-point scale) Part 1 of 2 in Project Assignment | 10 | 10 |
| 100 Scale | 100 | 100 |
| Classification on Quality of Work | Good | |