Cover Page

COMPSCI 345 Human-Computer Interaction

Assignment Three: Realizing a Design

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Place this page in the front as the first page of your document that you are submitting to Canvas

A. Context

1.

   - Domain is Physical Education.

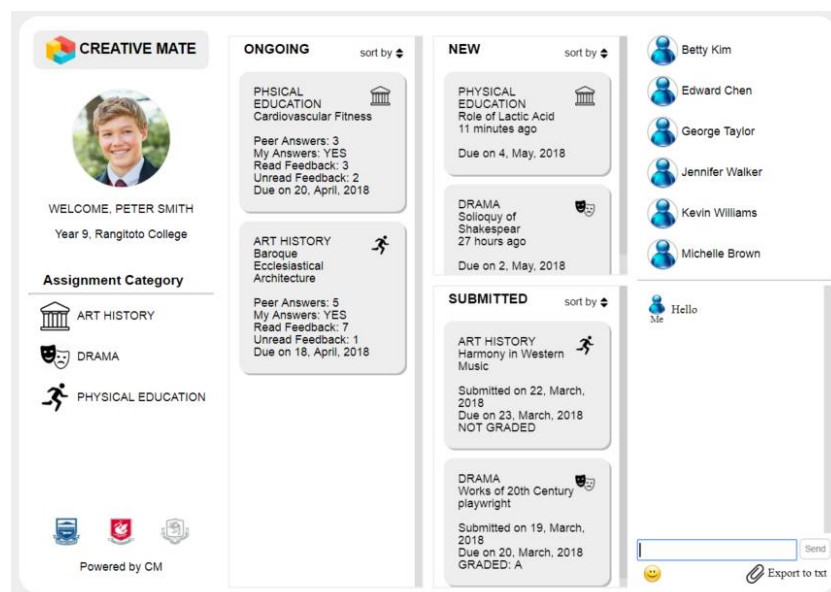   - Sub-domain is Role of Lactic Acid.

2.

   - The users are college students studying in the same second year class of Rangitoto College in Auckland, New Zealand.

   - They live in neighborhood each other. Viewpoint user is Peter Smith.

   - The names of the other users are Betty Kim, Edward Chen, George Taylor, Jennifer Walker, Kevin Williams and Michelle Brown.
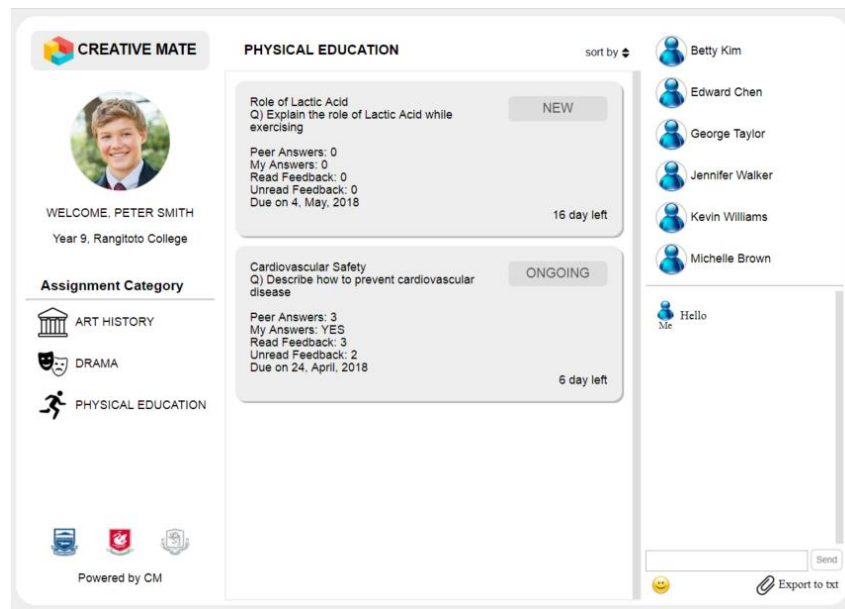

3.

   - A few minutes ago, they were given a collaborative assignment from a teacher Problem Based Learning(PBL) is applied to. At this moment, they are all logged in the web application to find out and discuss the solution.

   - For the synchronous chat, the viewpoint user is always on the left column of the screen while the other users are always on the right column of the screen.

   - For the asynchronous chat, Peter, the viewpoint user, has a tab named 'My Answer' and a feedback label named 'My Feedback' which is only made when Peter makes a comment to another user's answer. The other users also have their own tab and feedback label corresponding to the Peter's ones.
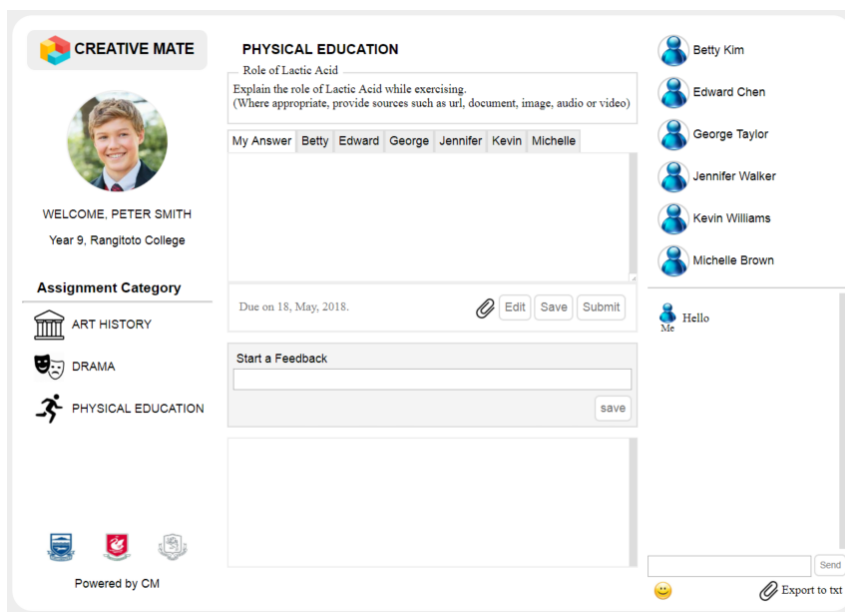

B. Walkthrough

The screen above is seen once the viewpoint user is logged in. By clicking the home page icon, the first page is always returned. A synchronous chat window is seen on the right column of the screen. After writing some text in the text field at the bottom, clicking the send button, the text written by the viewpoint user is loaded on chatting window. There are two ways to go to see the given assignment: Firstly, it's clicking the box where Role of Lactic Acid is written in the NEW panel. Secondly, it's clicking Physical Education menu under Assignment Category before clicking the box where the sub Role of Lactic Acid is written.

The screen above is seen when clicking Physical Assignment menu under Assignment Category. It shows categorized assignments only for the domain, Physical Education. Once the box where Role of Lactic Acid is written is clicked, the page to check the given assignment is returned.

The page above is the most important one in terms of the functions this web application provides. The viewpoint user can navigate the other users' solutions as well as make his own solution using the tabs. A written answer can be edited, saved and submitted for each user's tab. Start a Feedback is a pair with each tab. When some text is written and saved in the Start a Feedback, a new box with the saved text appears in the empty panel right below, where the more feedbacks can be stacked down.

The functions for attachment, agree or disagree counting, feedback editing, reply saving, chatting icons and chatting exporting are out of bounds for the implementation because they are not significant functions to walk through the main flow of this web application.

C. Design Decisions

1. Color Scheme : Basically monochromatic color scheme by using white and grey

#EEEEEE (RGB 238,238,238) - Background of entire webpage, Background of scroll container items, Background changed when hovering, Background of sort by button, Background of tab menu label, Background of feedback box

#DDDDDD (RGB 221,221,221) - Background of buttons

#555555 (RGB 85,85,85) / #777777 (RGB 119,119,119) – labels and buttons

2. Border Scheme: Curve corner is applied by border-radius and shadow effect is applied to boxes by box-shadow.

3. Fonts Scheme: 'Arial' for display font and 'Times New Roman' for text field font are applied.

D. Resources Used

All images and icons used in this prototype are brought from google images by using snipping tool of window.