

Cover Page

COMPSCI 345 Human-Computer Interaction

Assignment Three: Realizing a Design

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Student UPI:

Note: To ensure a fair playing field for all students in the class the University of Auckland will not tolerate cheating or assisting others to cheat, and views cheating in coursework as a serious academic offence.

Student Declaration:

- I declare that this work is my own work and reflects my own learning.
- I declare that where work from other sources (including sources on the world-wide web) has been used, it has been properly acknowledged and referenced.
- I understand that my assessed work may be reviewed against electronic source material using computerised detection mechanisms.

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

Design Documentation

Context:

1.

The domain of this prototype is Physical Education, the subdomain is the details of human running.

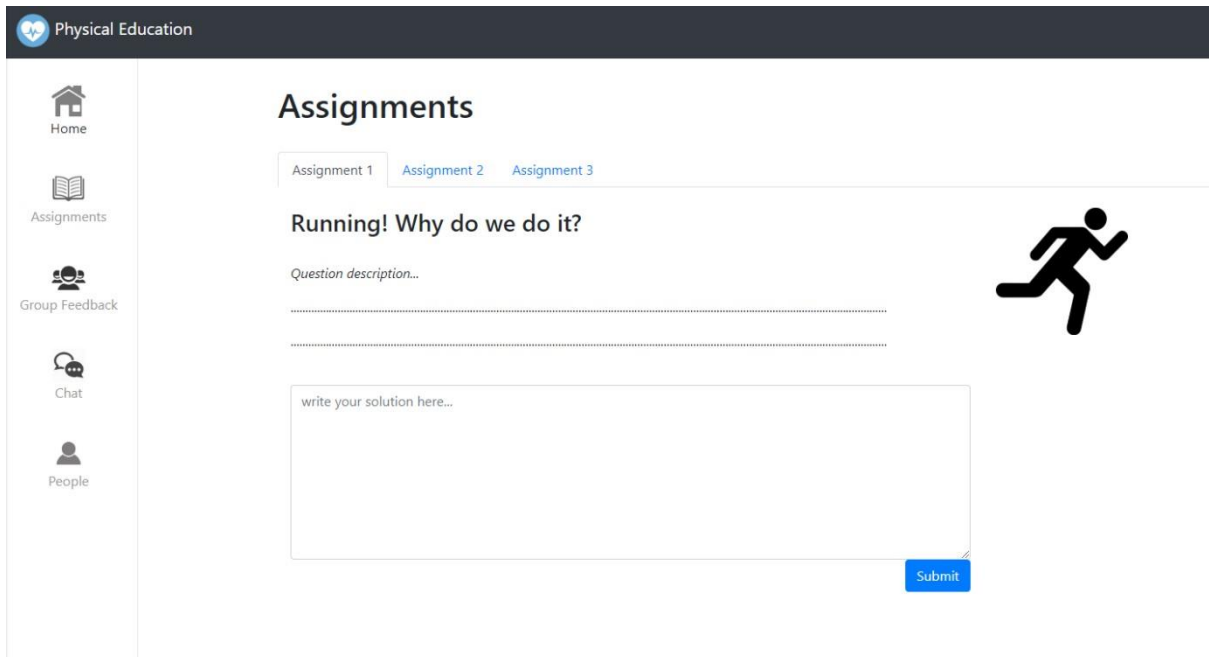
2.

All members using this prototype are high school students who all study at the High School of Physical Education, a school which focuses specifically on physical education, located in Sydney, Australia. The list of students who will be using this website are William, Amy, Stephen, Leah, David, Charles. Living in the same country, all students have similar levels of exposure to technology, and due to this being a developed country they are all confident with technology. The viewpoint user of this prototype is William. Specific users we need to know about are Amy, where we will be leaving a feedback to her solution, and David, where we will see that he has left a feedback for a student's solution.

3.

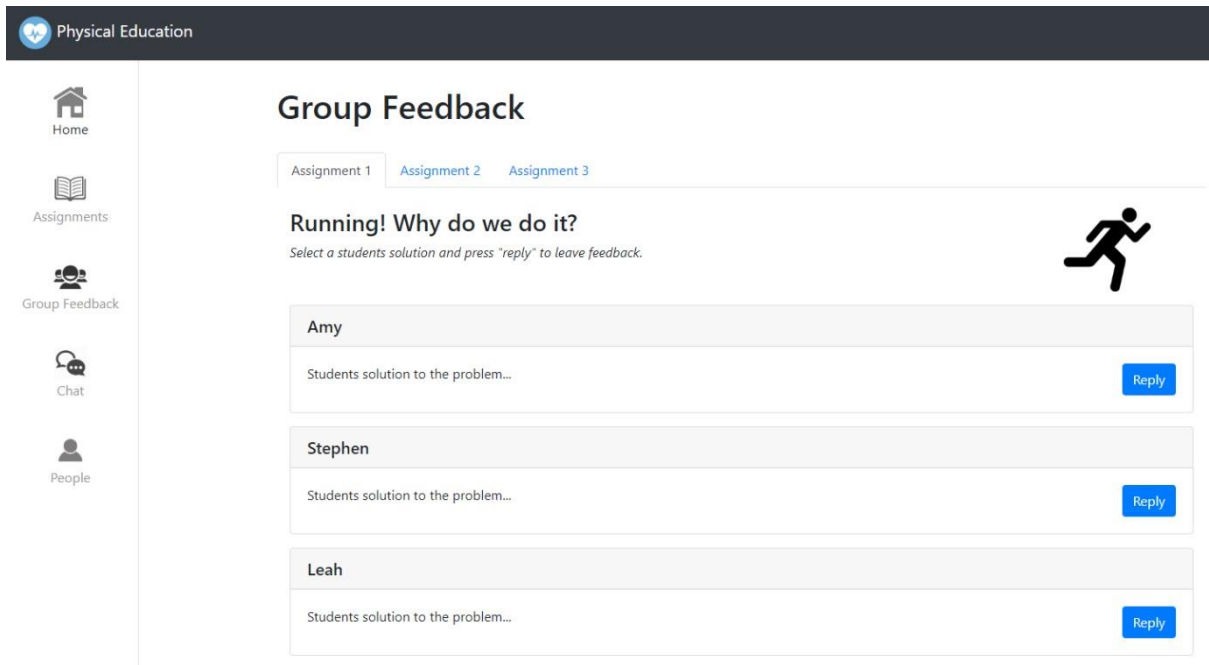
The moment of this prototype is when Amy, Stephen and Leah have already submitted solutions to the assignments, and the viewpoint user William, as well as David and Charles have yet to submit a solution. We will be able to see William submit a solution as well as view and give feedback on students who have already submitted solutions.

Walkthrough:



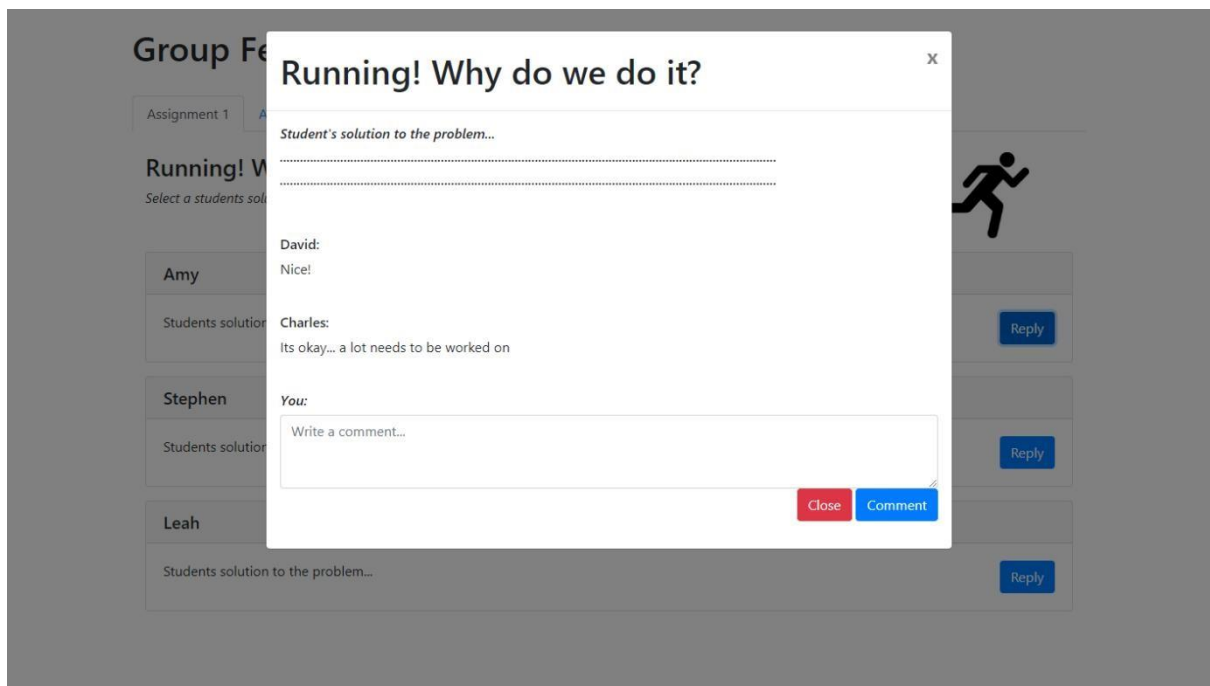
The screenshot shows the 'Physical Education' interface. On the left is a sidebar with icons for Home, Assignments, Group Feedback, Chat, and People. The main area is titled 'Assignments' and has three tabs: 'Assignment 1', 'Assignment 2' (which is selected), and 'Assignment 3'. The selected tab displays the question 'Running! Why do we do it?' with a running stick figure icon. Below the question is a text area labeled 'Question description...' and a larger text area labeled 'write your solution here...'. A blue 'Submit' button is at the bottom right of the solution area.

1. Click on the Assignments tab on the left, we are taken to this page where we can pick which assignment to complete with the assignment tabs. We type in our solution and click submit. System is not functional where the solution would not be added to the feedback page.

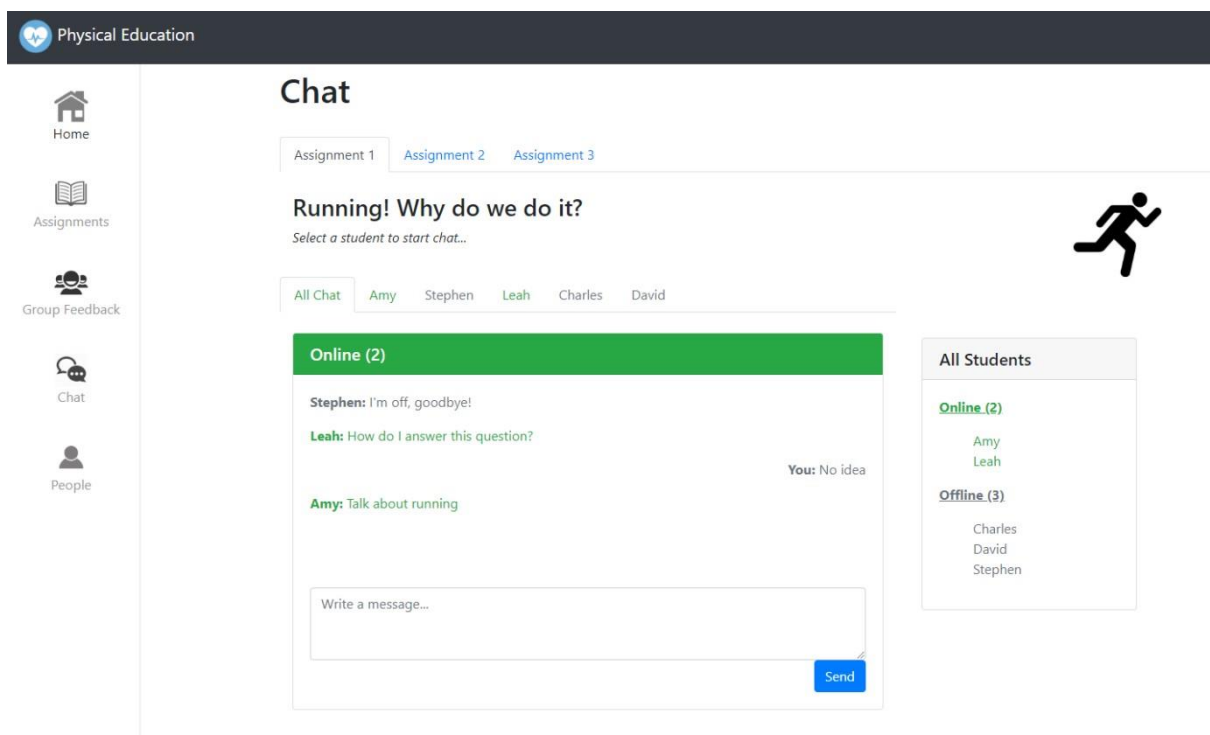


The screenshot shows the 'Physical Education' interface with the 'Group Feedback' section. The sidebar is the same. The main area is titled 'Group Feedback' and has the same three assignment tabs. The 'Assignment 2' tab is selected, showing the same question 'Running! Why do we do it?' with the instruction 'Select a students solution and press "reply" to leave feedback.' Below this, there are three student entries: Amy, Stephen, and Leah. Each entry has a text area for 'Students solution to the problem...' and a blue 'Reply' button.

2. Clicking on the Group Feedback tab takes us to this page. We can pick solutions to which assignment we want to view through the assignments tab. We click assignment 1 and see students who have attempted the assignment question. We click "reply" on Amy's solution.



3. We see David and Charles have left a feedback on Amy's solution and read it. We then write a comment and click "comment" to give feedback. Comments are not functional and will not be added to the thread.










4. Clicking on chat takes us to this page. We can chat with students on all chat or private message, on whichever assignment. We click on assignment 1 and then all chat and we type a message and press send. Sending functions are not implemented on the system.

Home, people, notifications and profile tabs have not been implemented and are non-functional.

Design Decisions:

1.

The site uses a complementary colour scheme, where the main background is light, and important objects of the website such as text and images are a darker colour. The navbar is a dark colour and so white coloured text is used. This colour scheme gives the website a clean and minimalistic look.

| | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|  | RBG: 52,58,64. Navigation pane background |
|  | RBG: 255,255,255. Website background, navbar title text, buttons text, Chat online/offline text |
|  | RBG: 0,0,0. Main website text, pictures, calendar text |
|  | RBG: 0,123,255. Submit button, comment button, reply button, send button |
|  | RBG: 200,35,51. Close button |
|  | RBG: 40,167,69. Student online text, online card background |
|  | RBG: 108,117,125. Student offline text, offline card background, "you" text in chat |

2.

- Dark coloured navbar on white coloured background to emphasis the navbar
- Line between sidebar and website, separate's the sidebar to the content the user is looking at
- White space between cards, paragraphs, calendars, to do list. This separates the different content on the website
- Navigation tabs used in "Assignments", "Group Feedback", "Chat" pages. This lets the user quickly switch between the different assignment questions, as well as quickly switching between users in chat
- "To do" title header centre aligned, makes the title stand out
- In chat, sent messages are right aligned, received messages are left aligned. Groups all sent and received messages.
- "Send", "reply", "comment" buttons right aligned, easier for user to see these buttons after typing a message.

3.

Font: Helvetica Neue used for whole website.

- "To do" title underlined to emphasis the title.
- Sender names in chat are in bold to show the difference between name and message
- Question descriptions in assignment in italic
- Instructions in group feedback and chat are in italics

Resources used:

- Used bootstrap 'bare' template
- Implemented "BootstrapExample" from canvas
- Components used: navbar, toggleable tabs, card, modal, buttons, grids
- Physical Education logo: <http://carrolloccupationalhealth.com/home/icon-corp-wellness-01/>
- Running man picture: <https://pixabay.com/en/stick-man-runner-silhouette-figure-295293/>
- Calendar: <http://www.free-printable-calendar.com/may-2018-calendar.html>
- Home icon: <https://www.iconsdb.com/gray-icons/home-5-icon.html>
- Book icon: <https://training-wheels.com/book-icon-2-2/>
- Group icon: <https://www.icon2s.com/32916/android-icons/black-white-android-group/>
- Chat icon:
https://www.iconfinder.com/icons/298330/chat_bubble_chatting_comment_communication_conversation_messages_talk_icon#size=256
- Profile icon: <https://jboye.com/groups-belgium/test/profile-icon-9/>
- Notification icon: <https://www.materialui.co/icon/notifications>