

# Design Review

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## Evaluation Target: Interface designed by YuHeng Chen & Naomi Wu

The evaluation type: Expert evaluation

### Cognitive Walkthrough:

1. Persona conclusion: For this part, I tried to **summarize** the personas' *Background*, *Goals*, *Motivation* and *Frustration* we have:

Background: 1. Optimistic and positive young Basketball player.(Nyle)

2. Conservative and traditional Physics lecturer.(Zichu)

3. Students who love learning, introverts and have experience in using related websites.(Weijia)

4. An active and enthusiastic computer science student who has been using PeerWise.(Yuheng)

5. Older users studying in University but lack of experience in using electronic devices(Carlos Bryant)

6. Young students that lack of motivation to exploring knowledge beyond their courses. Instead they only want to pass no matter what grade they get. Impatient when using the system.(SheFen Lee).

Goals: 1. A platform can post questions and find some useful Q&A which can solve the problem of review.(Nyle)

2. When the lecturer and the student cannot meet, a tool is needed to ensure the student's learning and that the lecturer receives real-time feedback.(Zichu)

3. Communicate with her classmates and answer various questions she encountered while studying.(Weijia)

4. Elliot has a high frequency of using Peerwise. He checks it twice a day, and interacts with Peerwise whenever a new update is released. (Yuheng)

5. A simple tutorial intro to get him started. And maybe a help section that solves common questions while using the PeerWise.(Carlos Bryant, ShuFen Lee)

6. A forum section where students can communicate with each other and discuss new knowledge and technology(Carlos Bryant).

Motivation: 1. Quick and easy to learn, don't need spend any time on learning how to use a web.(Zichu&Nyle)

2. Share solutions to complex questions with other students.(Nyle)

3. Wish to receive a notice when students post a question or students answer a question.(Zichu)

4. Willing to communicate with other students about any question in the course.(Weijia)

5. Elliot not only uses Peerwise to complete compulsory tasks but also learns from other students by asking questions and making comments.(Yuheng)
- 6.To pass the course with minimum effort. Focus on the important parts for the final exam rather than knowledge beyond the course(SheFen Lee).

Frustration: 1. UI Interface is not reasonable and not tends to human being both in PC and mobile.(Zichu&Nyle)

2. Cannot post a question if a students have not been added in the course.(Nyle)
3. The operations of "create course" and "add students" are very cumbersome.(Zichu)
4. Navigation bar.(Zichu)
5. More advanced function in question sorting function.(Weijia)
- 6.Font size can be too small when viewing questions and not adjustable.(YinJie Wang)
- 7.Can not follow good question providers for questions they make in the future.(YinJie Wang)
8. No function of providing exam revision resources for students focusing on passing the exam.  
(YinJie Wang)

2. Based on the issues and persona we have, I crate a task list for evaluating use:

Tasks: 1.Improve the UI interface to suits the public needs.

- 2.Modify the function to allow user to post question before they added in a course.
- 3.Create a forum section where students can communicate.
- 4.Add function to follow certain user. Receive notification when they post new questions.
- 5.Add a friend system in the software.
- 6.Create a exam revision section so students can search for the past exams, past exam answers, and exam related question for exam revision.
- 7.Add navigation bar.
- 8.Give the option of changing font size in the pages such as “my questions”, “notifications” which font size could be too small in those pages for some elder users.

Persona 1 reuse the system:



Name: Shufen Lee

19 years old

Victoria University major in Biology

Enjoy her labs at Uni but feels frustrated about reports.

Loves animal, loves taking photo for birds

Low risk tolerant, easy to give up when facing problems

Lack of motivation in study, just want to pass

Comfortable with:

Step by step instruction about the system

Not comfortable with:

Complex electronic devices and website interfaces

### Scenario when using Yuheng Chen and Xianqiong Wu's UI:

Today is the first time ShuFen Lee ever using PeerWise. There was an assignment required her to answer some specific question in her biology course. She opened the webpage on her phone and began using it. The first thing she noticed was the introduction page of PeerWise. The webpage uses beautiful photo along with warm introduction to PeerWise. Then she click the visual bottom of an arrow to go to the next page. The next page uses a photo with a good study environment with a big "Welcome", those introduction of the website makes her feel ward and welcomed. She likes the simple but delicate design. She clicked next and select StudentID, and she realized not only login page but also whole website on mobile are updated, she was surprised about it because she was not into the old web style.

She then found a search box, she believe she can search about those question she needs to answer here. Indeed, She could, and she clicked a question and click "Answer". She can then choose from several options to select the correct answer. If she choose a correct answer, the system will pop a green tick saying she got it right. If she choose an incorrect answer, the system will pop a red face saying she choose a different answer with the author. She can see from the result of how many people choose each options and the author explanation. She found this very useful and is a clear interface. She can also get to rate the difficulty and quality of this question. She can choose whether she agrees or disagrees with this answer. She then scroll down the comment section to view some comment. She finishes her study with enjoy and satisfaction.

Persona 2 reuse the system:



Name: Carlos Bryant

65 years old

Student in University of Manchester

Retired from a textile factory

Not confident about university study and generation gap

Loves reading and hard-working, spend more time studying than others

Moderate level of risk tolerant

Comfortable with:

Clearer interface, larger font size and buttons that easy to understand.

Not comfortable with:

Complex interfaces and small font size

Scenario when using Yuheng Chen and Xianqiong Wu's UI:

Today is Carlos Bryant's first time using PeerWise. He is feeling kind of anxious about it, he is worried about he can't learn to use this website as good as others. He opened the website and noticed those beautiful photos integrated along with warm introduction of PeerWise. He like the initial simple and clean design Then he spent a little time about how to sign up and figure it out. He is required to do some questions so he searched for them.

On the question page, the first thing he noticed is the font size of texts are too small for him. But he was unable to find a way to change to a bigger font size. He feels a little struggle as an old man to read. But he was happy about the clean questioning system. He can see whether he got the correct answer or not and he can see author's explanation for the question. But one thing he feels a little confused is those visual symbols of some buttons. Instead of clear text, some buttons are made of some symbols. For example, for "favourite question" button it has been made into a heart symbol, for "home" button it has been made into a house symbol. This is clearly a good design for younger generation, but maybe not for him. He is old so he doesn't understand the meaning of those symbols and were confused for a while.