

Pre-test questionnaire (student)

* Required

1. Do you own a smartphone? *

Mark only one oval.

- ☒ Yes
☐ No

2. How often do you use a smartphone? *

Mark only one oval.

- 1 2 3 4 5
Never ☐ ☐ ☐ ☐ ☒ All the time

3. For an application, which factor is the most important key for you to continue using it? *

Mark only one oval.

- ☒ Utility
☐ Appearance
☐ Other: _____

4. Choose the option that best describes your nature. *

Mark only one oval.

- 1 2 3 4 5
Introverted ☐ ☒ ☐ ☐ ☐ Extroverted

5. I often have trouble interacting with my instructor during lectures. *

Mark only one oval.

- 1 2 3 4 5
Disagree ☐ ☐ ☐ ☒ ☐ Agree

6. I often have trouble interacting with my classmates during lectures. *

Mark only one oval.

- 1 2 3 4 5
Disagree ☒ ☐ ☐ ☐ ☐ Agree

7. How often do you attend lectures? **Mark only one oval.*

	1	2	3	4	5	
Never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Always

8. How often do you contact your classmates for course-related questions? **Mark only one oval.*

	1	2	3	4	5	
Never	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	All the time

9. How often do you contact your instructor for course-related questions? **Mark only one oval.*

	1	2	3	4	5	
Never	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	All the time

10. When I have questions in class, I tend to...*Check all that apply.*

- ☒ Raise my hand and ask the instructor
- ☒ Wait and ask the instructor after class.
- ☒ Try to figure it out on my own (refer to textbooks, search online...).
- ☐ Post my questions online in a forum or a study group.
- ☒ Ask a friend during class
- ☐ Ask a friend after class
- ☐ Other: _____

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Post-test questionnaire

Prototype 1

* Required

Please rate the overall usefulness of the application. *

	1	2	3	4	5	
Useless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Useful

I could clearly understand each feature. *

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Agree

I think this application improves student-instructor interaction. *

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Agree

I think this application improves student-student interaction. *

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Agree



I feel that this application would be distracting during a lecture. *

1 2 3 4 5
Disagree ☐ ☐ ☒ ☐ ☐ Agree

I would use this application if it were to be developed *

1 2 3 4 5
Highly Unlikely ☐ ☐ ☒ ☐ ☐ Highly Likely

Suggestions/Improvements: when you prompt me for a username,
Your answer don't put the password prompt on another page. leave it on the
same page. Use borders around text to isolate the
elements visually.

SUBMIT

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Google Forms

Post-test questionnaire

Prototype 2

* Required

1. Please rate the overall usefulness of the application. **Mark only one oval.*

	1	2	3	4	5	
Useless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Useful

2. I understand all the app's features **Mark only one oval.*

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Agree

3. I think this application improves student-instructor interaction. **Mark only one oval.*

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Agree

4. I think this application improves student-student interaction. **Mark only one oval.*

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Agree

5. I feel that this application would be distracting during a lecture. **Mark only one oval.*

	1	2	3	4	5	
Disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Agree

6. I'll use this application again after it is developed. **Mark only one oval.*

	1	2	3	4	5	
Highly Unlikely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Highly Likely

7. Suggestions/Improvements:

~~impr~~ narrow the "top questions" button. I didn't know if it was a title or a button. I assumed it was a title.

- add class documents like ppt.
- big flaw in the login. should have a way to verify identity
- specify first name last name on login tabs.

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Data Sheet (Student)

Prototype 1

* Required

1. Subject ID *

Subject #02

2. Test tasks fulfilled:

Check all that apply.

- ☒ Create an account
- ☒ Sign in
- ☒ Join a classroom
- ☐ Post a question in the classroom
- ☒ Reply to a question in the classroom
- ☐ Sort questions by priority setting
- ☐ Filter questions by status
- ☒ Check and manage your questions/answers
- ☒ View course content
- ☐ Change classroom
- ☐ Sign out
- ☐ Other:

3. Observations:

- Password on different page confused user.
- Ignored sorting and filter settings
- Never accessed the settings tab

4. Comments:

Assumed ^{what} ~~that~~ "≡" button does.
and didn't feel the need to explore it.

Data Sheet (Student)

Prototype 2

* Required

1. Subject ID *

Subject # 02

2. Test tasks fulfilled:

Check all that apply.

- ☒ Sign in
- ☒ Go to the "course" section
- ☒ Open each lecture section in "course"
- ☒ Click the corresponding button under "topic"
- ☒ Undclick the corresponding button under "topic"
- ☒ Go to the "forum" section
- ☐ Click "comment" icon
- ☒ Click "reply" button and reply with/without name
- ☐ Click "top questions" button on the top of forum
- ☐ Sign out
- ☐ Other:

3. Observations:

- Doesn't think that the "topquestions" button is a button.
- Didn't sign out

4. Comments: