Senior Design Group 24: Transcript Study Assistant [Student Survey]

DESCRIPTION: For our Senior Design project, we are looking to develop a product that will generate supplementary study materials (e.g. handouts, flash cards, and quizzes) based on the key concepts discussed during a lecture. An application will be designed to allow professors the ability to generate these materials, as well as provide students with access to those materials. In addition to an application, we will be designing a device that will record lecture audio and video, and interface directly with the application. The supplementary material will be generated based on the data recorded from this device, or any other lecture data provided by a professor. The device will be connected to a users laptop.

Your responses to the following questions will be used to inform the decisions we make during this project. Responses will be anonymous.

What year of school are you in?

○ Freshman

○ Sophomore

○ Junior

○ Senior

○ Senior+

What is your major? (Please select one if you are a double major)

○ Architectural Engineering

○ Civil Engineering

○ Construction Management

○ Biomedical Engineering

○ Computer Engineering

○ Computer Science

○ Electrical Engineering

○ Software Engineering

○ User Experience

○ Actuarial Science

○ Engineering

○ Mechanical Engineering

○ Industrial Engineering

○ Biomolecular Engineering

○ Business Administration

○ Nursing

Have you used the services provided by RCAS (tutoring, study groups, etc.)?

○ Yes

○ No

○ Unsure

Did you have any issues accessing resources from RCAS?

○ Yes

○ No

○ Unsure

[OPTIONAL] Please indicate the issues you have experienced while attempting to access RCAS resources.

_____

What departments would you LIKE to see this incorporated in first? Select all that apply.

☐ Rader School of Business

☐ Civil and Architectural Engineering and Construction Management

☐ Electrical and Computer Science

☐ Humanities, Social Science, and Communication

☐ Mathematics

☐ Mechanical Engineering

☐ School of Nursing

☐ Physics and Chemistry

☐ Unsure/No Preference

Do you think there are departments where this product would NOT work in? Select all that apply.

- [ ] Rader School of Business
- [ ] Civil and Architectural Engineering and Construction Management
- [ ] Electrical and Computer Science
- [ ] Humanities, Social Science, and Communication
- [ ] Mathematics
- [ ] Mechanical Engineering
- [ ] School of Nursing
- [ ] Physics and Chemistry
- [ ] Unsure/No Preference

[OPTIONAL] Are there any specific classes you believe that this product would work best in? (e.g. math classes, freshman courses, etc.)

_____

[OPTIONAL] Please provide a brief explanation of your answers to the previous department/specific class questions.

_____

End of Block: Student and Class Questions

Start of Block: Study Material Questions

Which of the following materials you would MOST LIKELY use while studying. Select all that apply.

☐ Handouts

☐ Quizzes

☐ Flash Cards

☐ Worksheets

☐ Unsure/No Preference

☐ Other _____

[OPTIONAL] What are some study materials that you would LIKE to see generated?

_____

Are there any study materials that you believe should NOT be generated? Select all that apply.

☐ Handouts

☐ Quizzes

☐ Flash Cards

☐ Worksheets

☐ Unsure/No Preference

☐ Other _____

Do you think it is important to include student questions and instructor answers in the generated study materials?

○ Yes

○ No

○ Unsure/No Preference

What type of handout format is more helpful to you? Select all that apply.

☐ Topics outlined in the order they were discussed in lecture, with terms and definitions placed throughout the handout

☐ Summary at the beginning, followed by key concepts, then terms and definitions at the end

☐ Terms and definitions at the beginning, followed by key concepts, then a summary at the end

☐ Key concepts followed by terms and definitions, no summary

☐ Unsure/No Preference

☐ Other _____

Would you like to see a lecture transcript alongside the other generated study materials?

○ Yes

○ No

○ Unsure/No Preference

Would you like time stamps in the transcript?

○ Yes

○ No

○ Unsure/No Preference

Would you like references to the transcript in the generated study materials (e.g. timestamps, quotes, etc.)?

○ Yes

○ No

○ Unsure/No Preference

Would you want the application to include the lecture video recording as well?

○ Yes

○ No

○ Unsure/No Preference

Page Break ————————————————————————————————

Would you like to see screenshots of the chalkboard/dry-erase board/projector screen at selected timestamps?

○ Yes

○ No

○ Unsure/No Preference

What kind of material from a lecture would you like to see highlighted in the generated study materials? Select all that apply.

☐ Summary of the lecture

☐ An outlined of key concepts

☐ Terms with definitions

☐ Equations

☐ Student questions with instructor answers

☐ Instructor questions with student answers

☐ Unsure/No Preference

☐ Other _____

How would you like to access the generated study materials? Select all that apply.

☐ Computer app

☐ Mobile app

☐ Canvas

☐ Website

☐ Unsure/No Preference

Would you want the ability to provide feedback on the generated materials? (e.g. how helpful the handout was, if the material was organized in a confusing way, etc.)

◯ Yes

◯ No

◯ Unsure/No Preference

[OPTIONAL] What would you consider to be the PROS of this product?

_____

[OPTIONAL] What would you consider to be the CONS of this product?

_____

[OPTIONAL] Are there any features that you would like to see incorporated into this product?

_____

End of Block: General Questions