

Deliberate practice physical examination

WP2 D2a. Simulation for Physical Examination (Low Back): two-stage assignment

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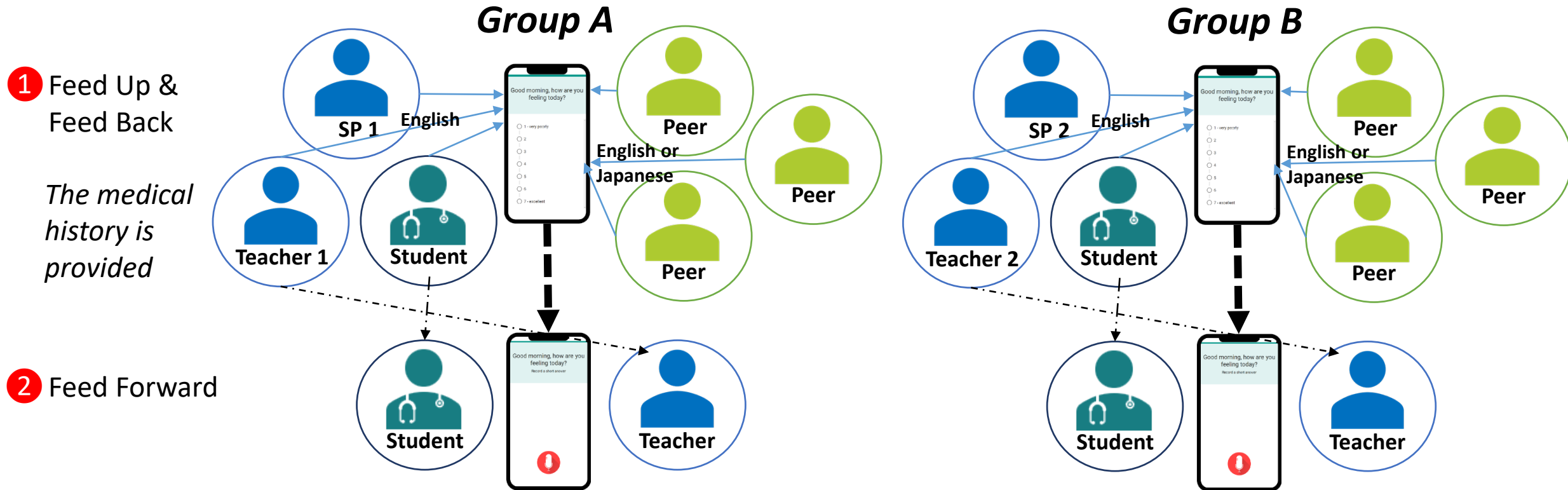


**Co-funded by
the European Union**

PEx of the back, two-stage assignment

Participants: 8 medical students divided in 2 groups, each with a teacher and a simulated patient

Case 1: Nonspecific lower back pain



A second assignment, which is slightly more complex, is given to the same student, allowing them to improve their performance.

To
Case 2

The simulated patients switch between groups to keep the scenario credible.

PEx of the back, two-stage assignment

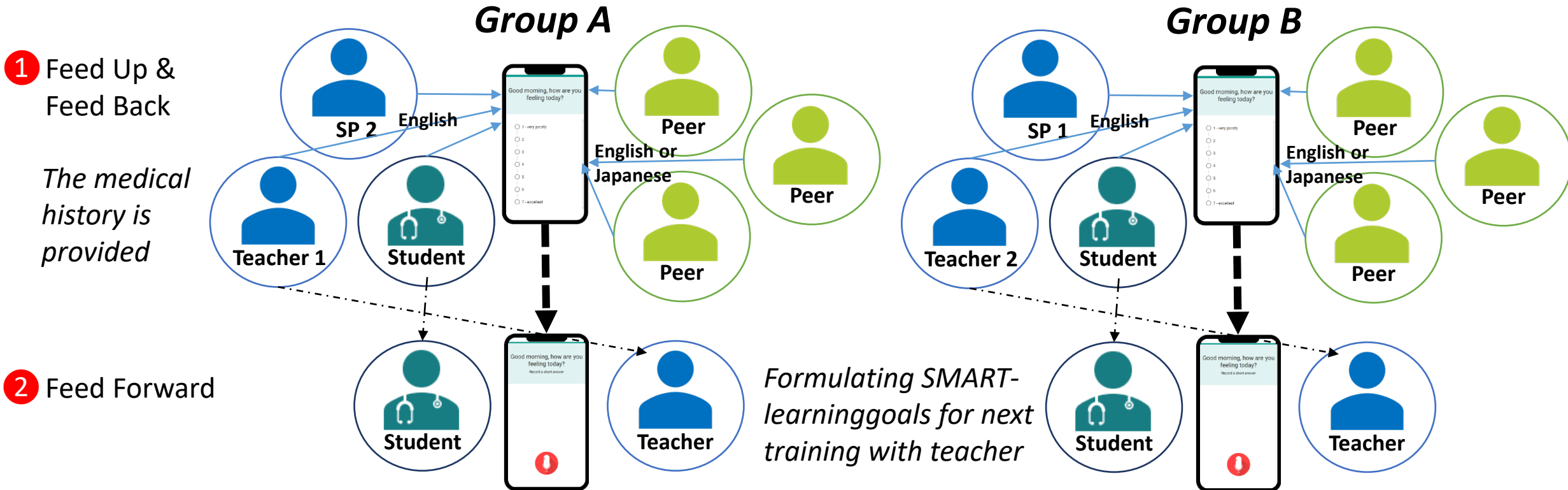
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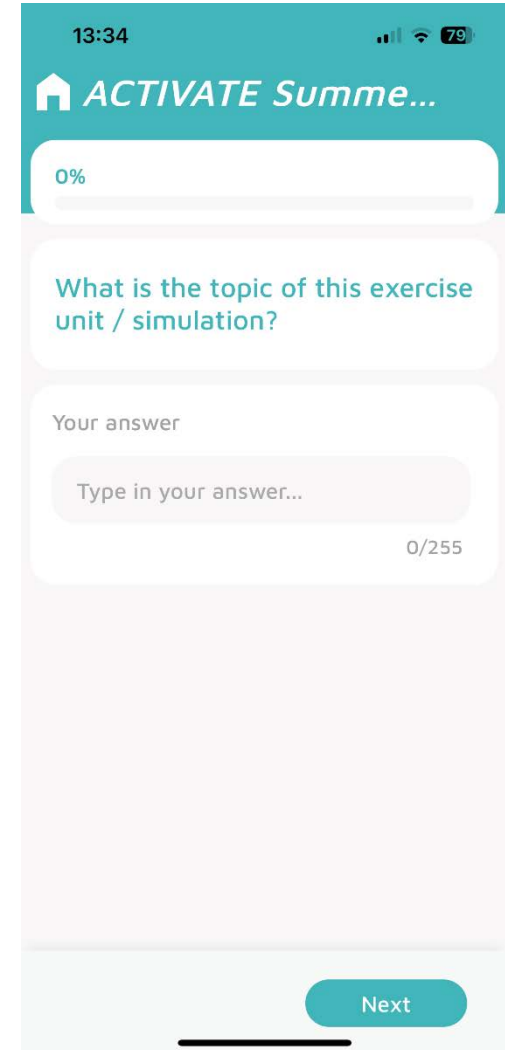
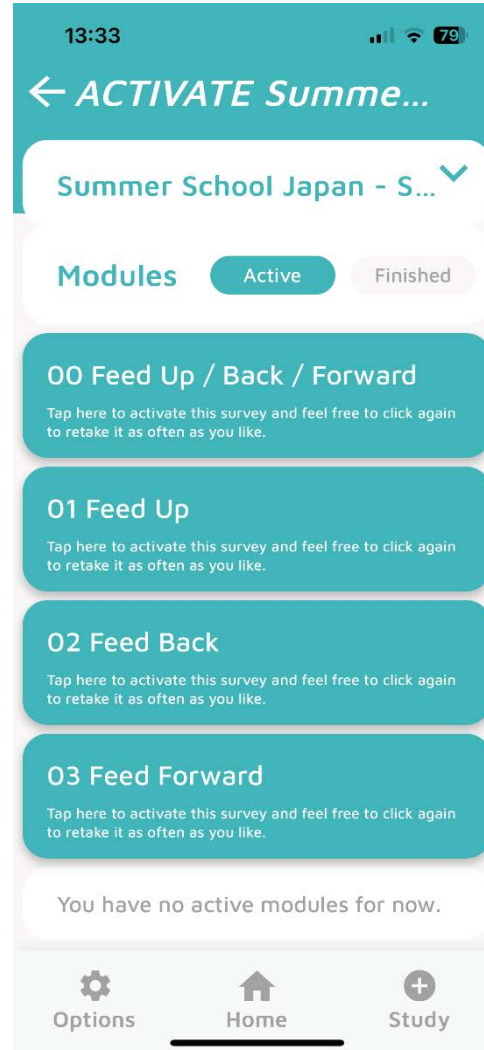
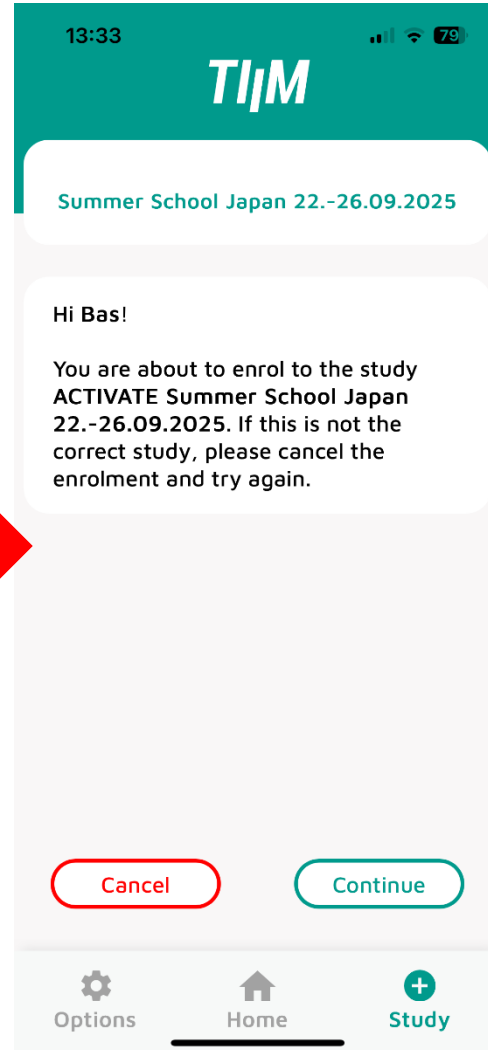
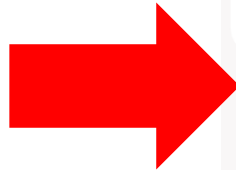
From
Case 1

The simulated patients switch between groups to keep the scenario credible.

Case 2: Lumbosacral radicular syndrome



Questions in TIIM-app



Feed-up in TIIM-app

13:35

79%

🏠 ACTIVATE Summe...

8%

Feed Up: Where should I go?

Answer the next questions *before* the simulation.

Start Feed Up

Previous

13:37

79%

🏠 ACTIVATE Summe...

16%

Rating scale for physical examination

Look at the indicators used for assessments in our faculty describing superior performance for a physical examination:

Performs an accurate exam in a logical and fluid sequence

Uses the exam to explore and prioritize the working differential diagnosis

Can identify and describe normal and abnormal findings.

Previous

13:38

78%

🏠 ACTIVATE Summe...

24%

Physical examination skills

What aspects of a physical examination you find till now the most difficult? How will you address this aspect in this physical examination?

Answer this question with a recording

This recording will be transcribed, for better transcription please enter the following info

English 5

🎤

Previous Next

13:38

78%

🏠 ACTIVATE Summe...

31%

Suggestions from peers

Ask your *peers* for suggestions for a good approach for your goal.

Answer this question with a recording

This recording will be transcribed, for better transcription please enter the following info

English 5

🎤

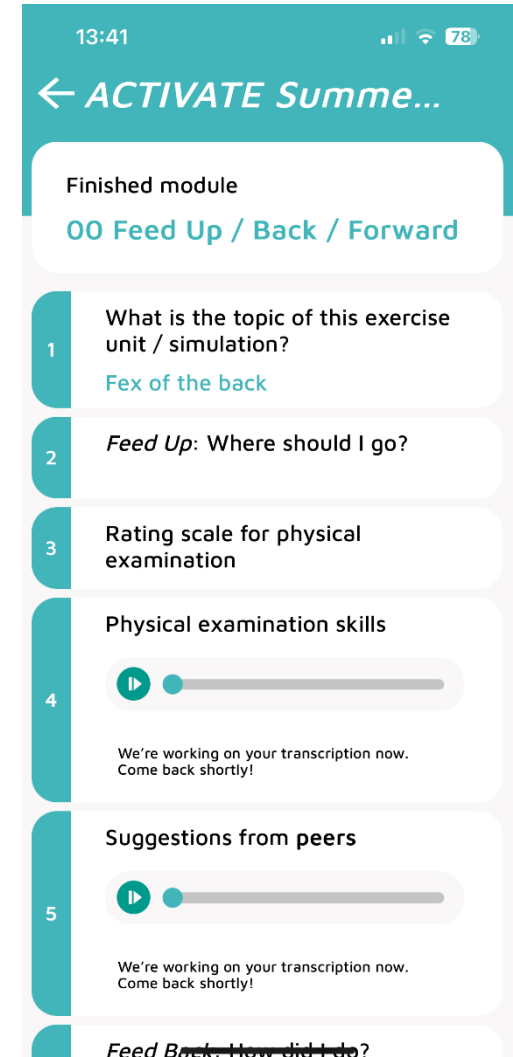
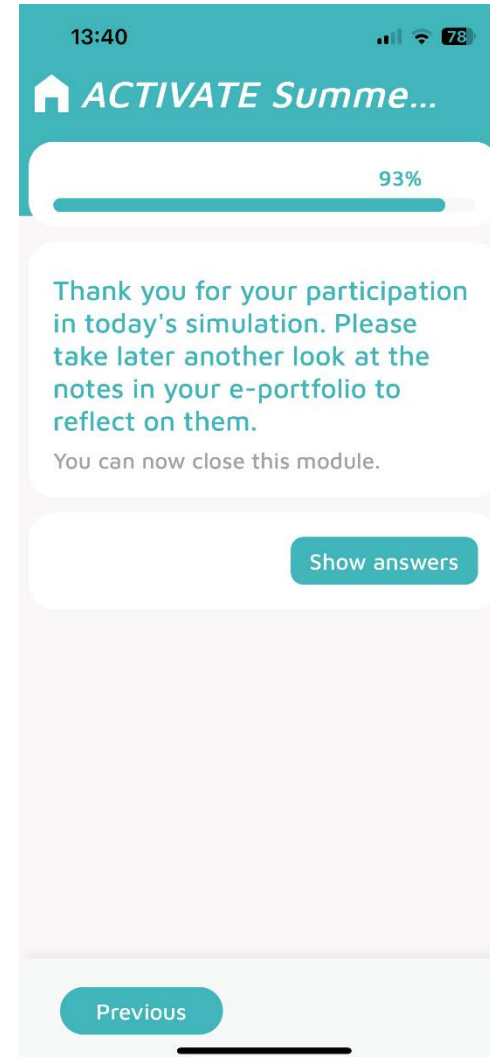
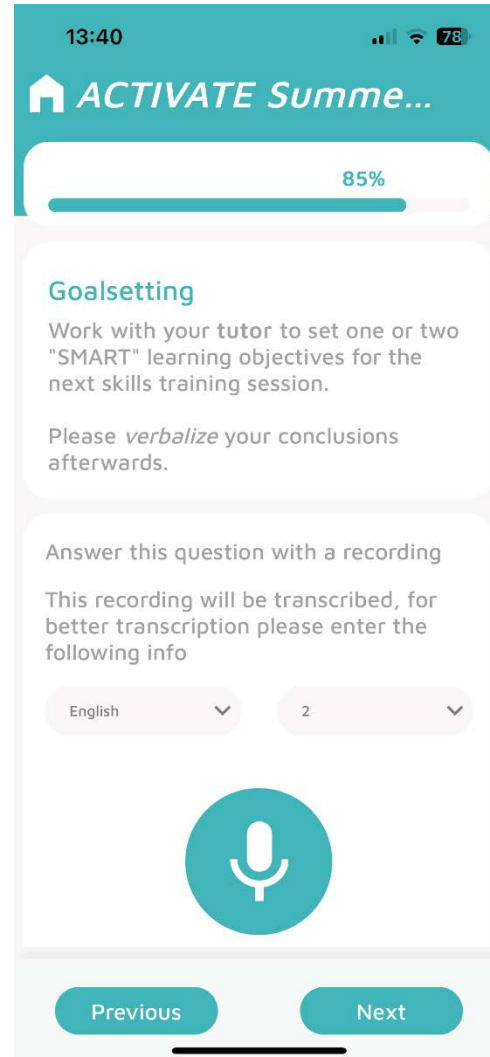
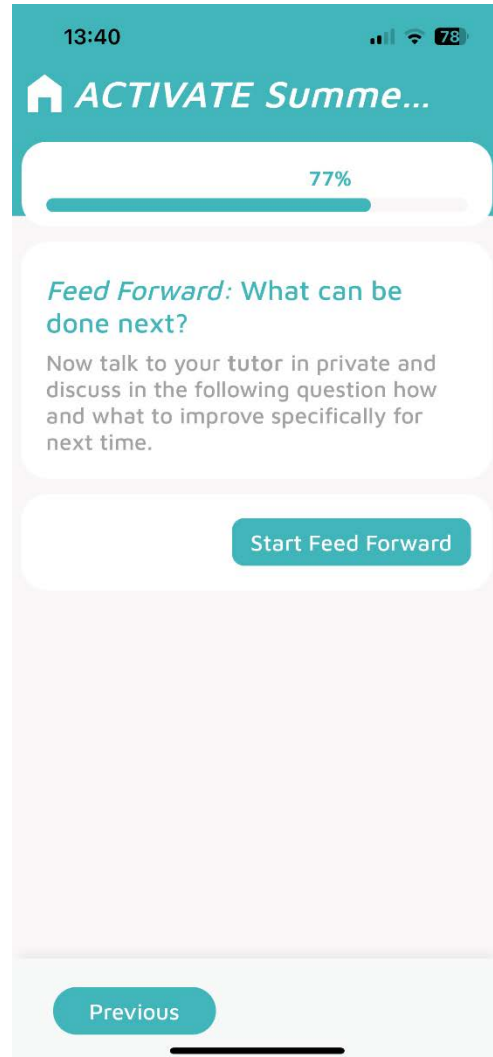
Previous Next

Feed-back in TIIM-app

The image displays five sequential screenshots of the TIIM-app feedback interface, showing the progression of a feedback session. Each screen features a teal header with a home icon and the text "ACTIVATE Summe...", a progress bar at the top, and a "Previous" button at the bottom left. The time and battery status are visible in the top right corner of each screen.

- Screen 1 (13:38, 78% battery):** Progress bar at 39%. Title: "Feed Back: How did I do?". Instruction: "Answer the following questions *after* the simulation." A "Start Feed Back" button is present.
- Screen 2 (13:38, 78% battery):** Progress bar at 47%. Title: "Your feedback". Instruction: "What are *your* initial reactions? How are you feeling? What aspects were managed well and why (*your* view). What aspects do *you* want to change and why?" Instruction: "Answer this question with a recording. This recording will be transcribed, for better transcription please enter the following info". Language: "English", Duration: "5". A microphone icon is shown.
- Screen 3 (13:38, 78% battery):** Progress bar at 54%. Title: "Peer feedback". Instruction: "Ask your *peers* about their impressions and how they deal with such situations. Ask for suggestions on how to improve your physical examination skills." Instruction: "Answer this question with a recording. This recording will be transcribed, for better transcription please enter the following info". Language: "English", Duration: "5". A microphone icon is shown.
- Screen 4 (13:39, 78% battery):** Progress bar at 62%. Title: "SP Feedback". Instruction: "Ask the *simulation patient* about her/his impression." Instruction: "Answer this question with a recording. This recording will be transcribed, for better transcription please enter the following info". Language: "English", Duration: "5". A microphone icon is shown.
- Screen 5 (13:39, 78% battery):** Progress bar at 70%. Title: "Tutor feedback and lessons learned". Instruction: "Ask the *tutor* about her/his impressions and suggestions how to improve certain skills. Either you or the tutor should summarise the lessons learned." Instruction: "Answer this question with a recording. This recording will be transcribed, for better transcription please enter the following info". Language: "English", Duration: "2". A microphone icon is shown. "Next" button is visible at the bottom right.

Feed-forward in TIIM-app



You can find more information on the ACTIVATE project at:

<https://medicampus.uni-muenster.de/ccel/projects/activate/>