

Deliberate practice physical examination

WP2 D1. Scenario for individual skills training: two-stage assignment

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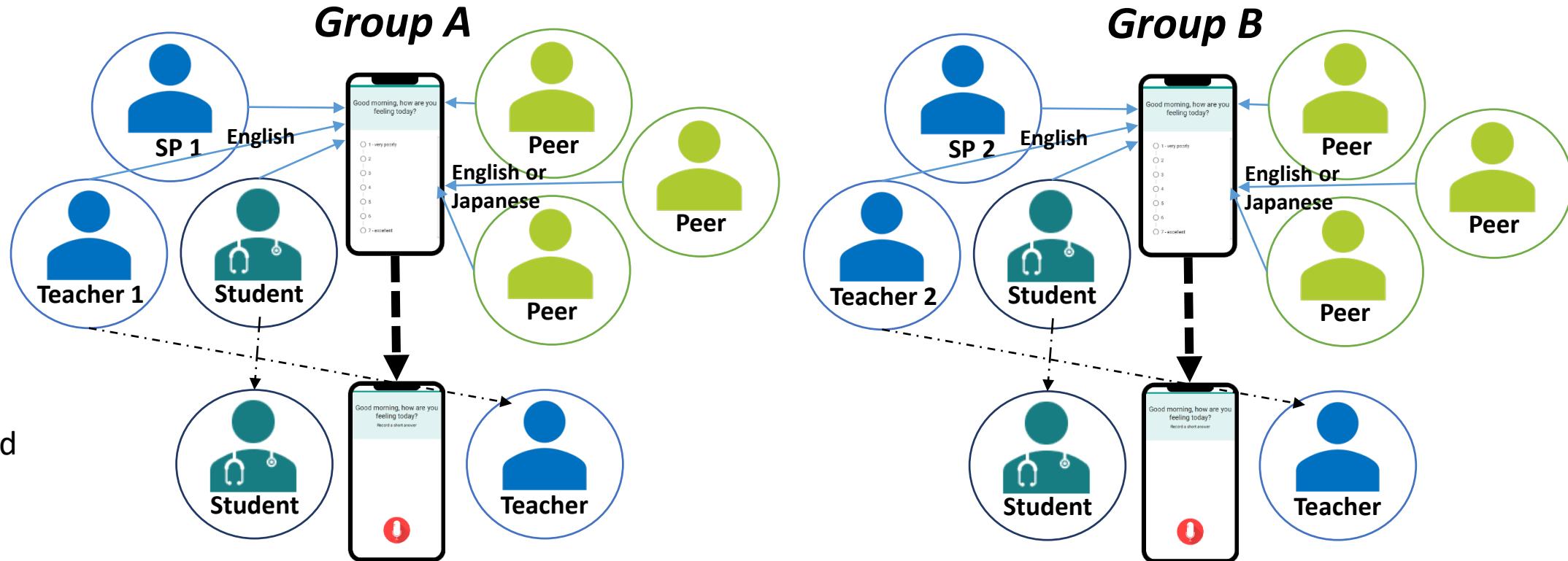
PEx of the back, two-stage assignment

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

Case 1: Nonspecific lower back pain

- 1 Feed Up & Feed Back

The medical history is provided



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

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

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

From
Case 1

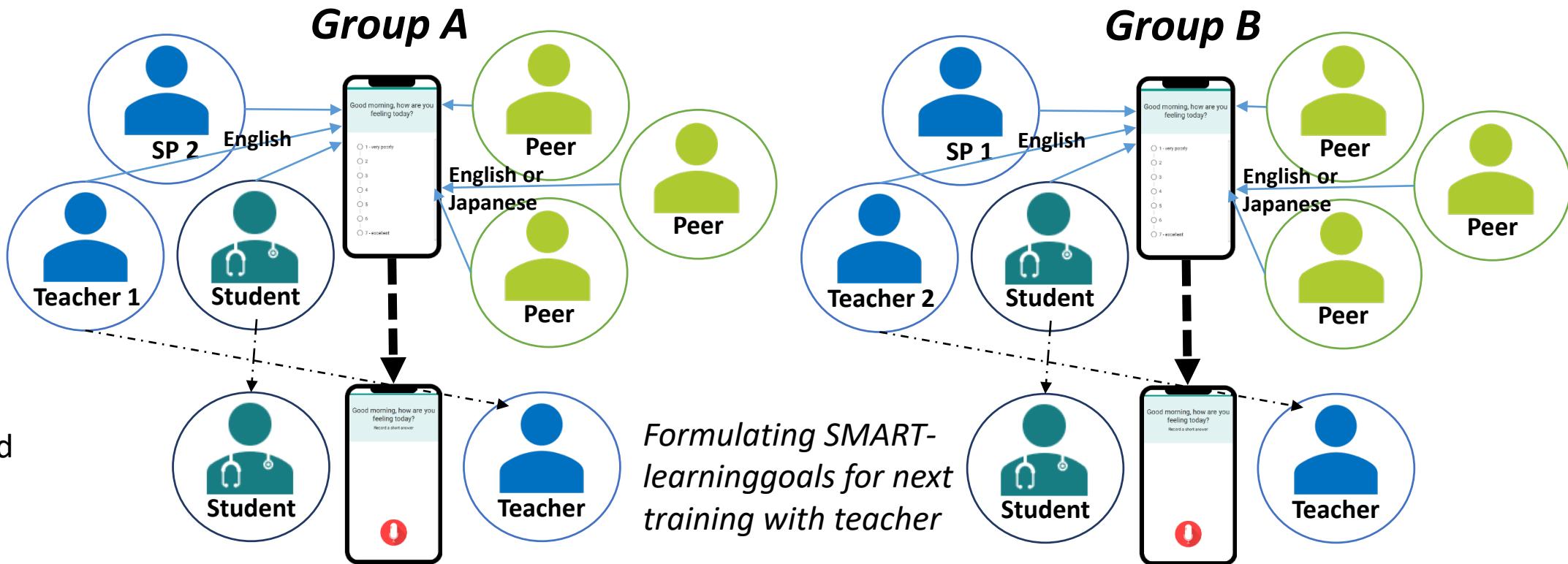
The simulated patients switch between groups to keep the scenario credible.

Case 2: Lumbosacral radicular syndrome

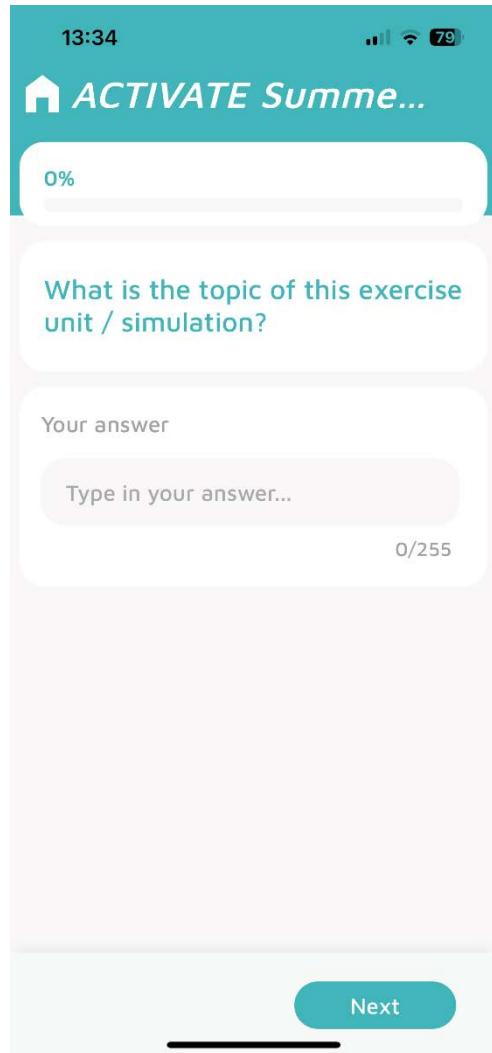
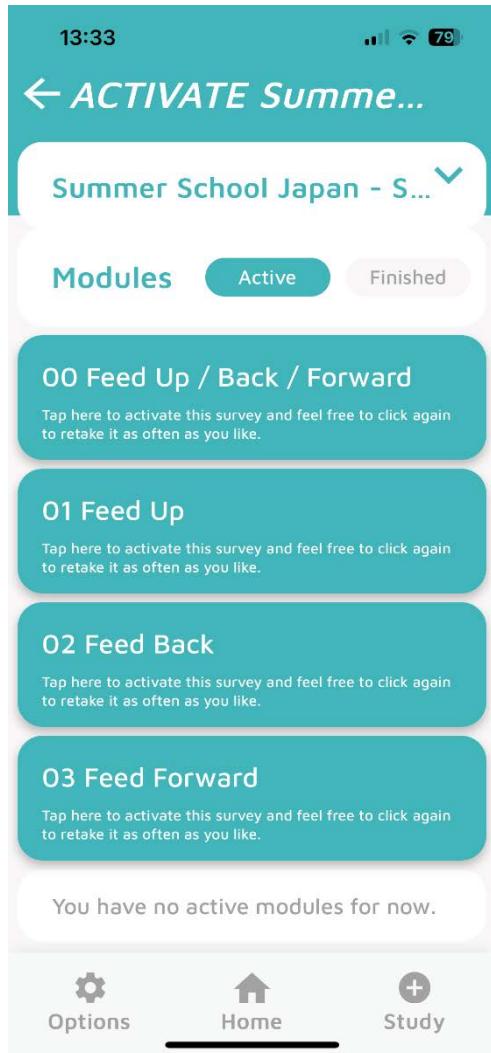
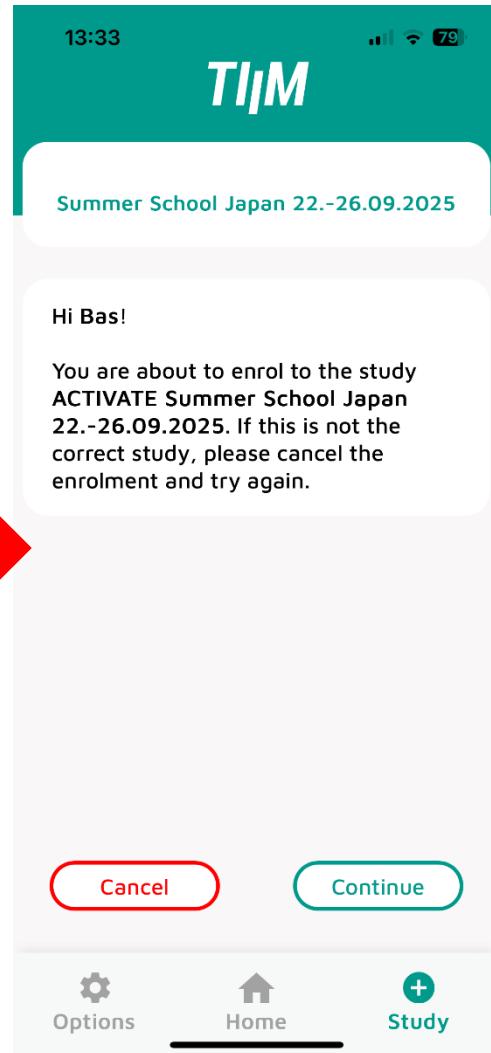
① Feed Up & Feed Back

The medical history is provided

② Feed Forward



Questions in TIIM-app



Feed-up in TIIM-app

The screenshots illustrate the progression of a 'Feed Up' session in the TIIM-app, showing a sequence of four screens with increasing completion percentages (8%, 16%, 24%, and 31%).

Screen 1 (8%): The title is 'ACTIVATE Summer...'. The text 'Feed Up: Where should I go?' is displayed, followed by 'Answer the next questions *before* the simulation.' A 'Start Feed Up' button is at the bottom.

Screen 2 (16%): The title is 'ACTIVATE Summer...'. The text 'Rating scale for physical examination' is displayed, followed by 'Look at the indicators used for assessments in our faculty describing superior performance for a physical examination:'. Three blue callout boxes list: 'Performs an accurate exam in a logical and fluid sequence', 'Uses the exam to explore and prioritize the working differential diagnosis', and 'Can identify and describe normal and abnormal findings.'

Screen 3 (24%): The title is 'ACTIVATE Summer...'. The text 'Physical examination skills' is displayed, followed by 'What aspects of a physical examination you find till now the most difficult? How will you address this aspect in this physical examination?'. Below this is a section for recording an audio response: 'Answer this question with a recording' and 'This recording will be transcribed, for better transcription please enter the following info'. A dropdown menu shows 'English' and a text input field shows '5'. A large blue microphone icon is in the center.

Screen 4 (31%): The title is 'ACTIVATE Summer...'. The text 'Suggestions from peers' is displayed, followed by 'Ask your *peers* for suggestions for a good approach for your goal.' Below this is a section for recording an audio response: 'Answer this question with a recording' and 'This recording will be transcribed, for better transcription please enter the following info'. A dropdown menu shows 'English' and a text input field shows '5'. A large blue microphone icon is in the center.

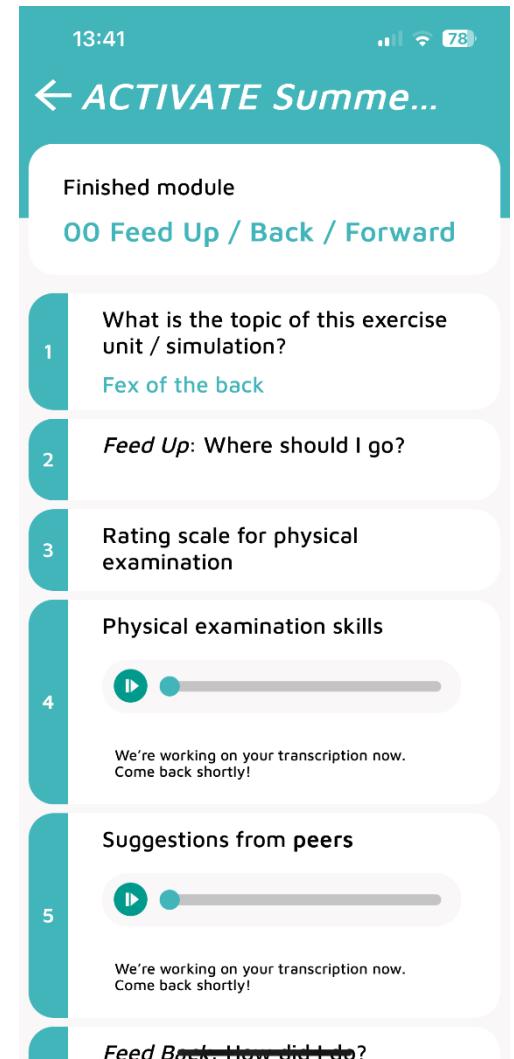
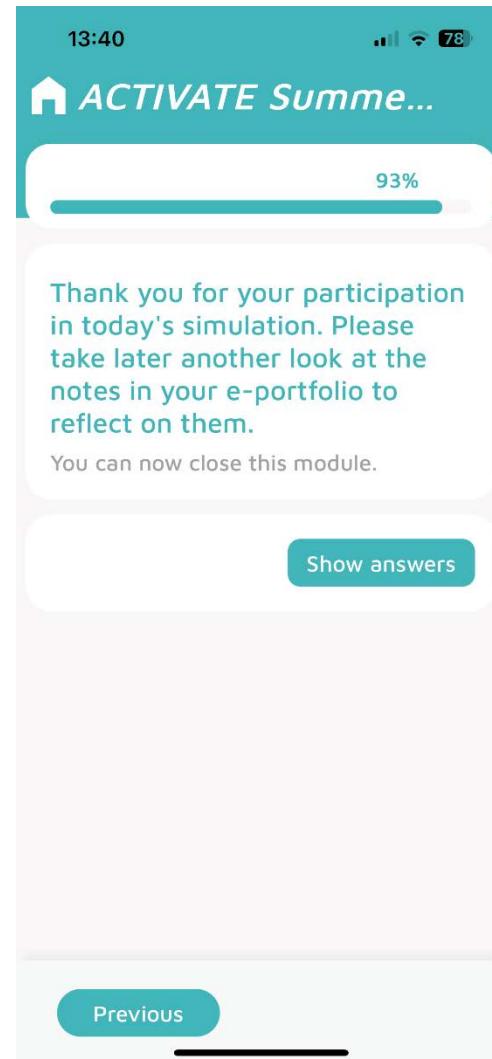
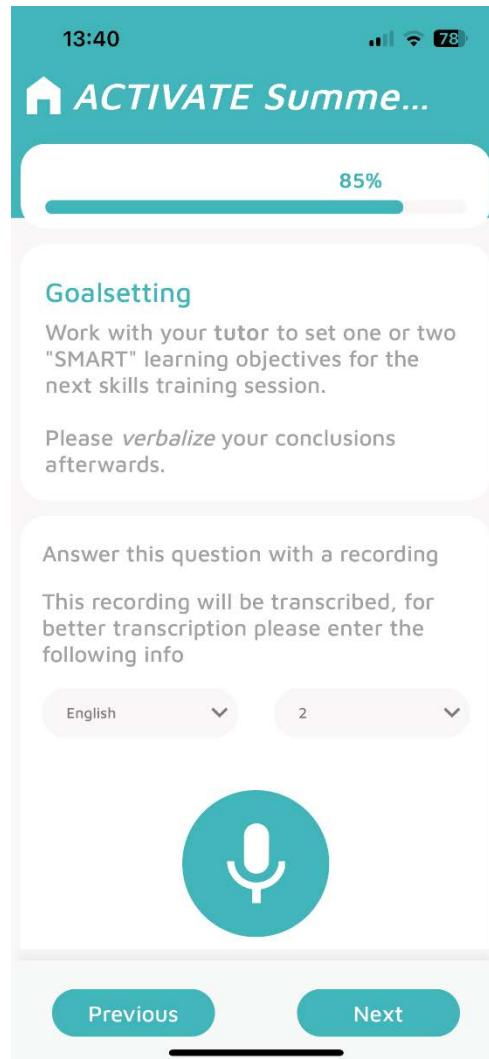
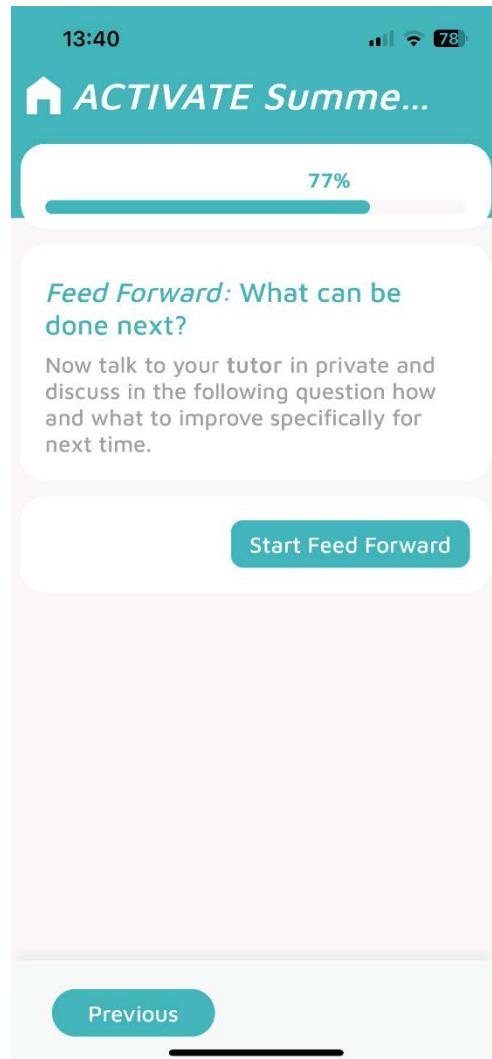
Feed-back in TIIM-app

The image displays five screenshots of the TIIM-app interface, illustrating the progression of the feedback process. Each screen shows a teal header with the app logo and the text 'ACTIVATE Summe...'. The screens are arranged horizontally, showing a timeline from 13:38 to 13:39.

- Screen 1 (13:38):** The title is 'Feed Back: How did I do?'. It asks the user to answer questions *after* the simulation. A progress bar is at 39%. A 'Start Feed Back' button is at the bottom.
- Screen 2 (13:38):** The title is 'Your feedback'. It asks the user to describe their initial reactions, feelings, and managed aspects. A progress bar is at 47%. A recording icon with dropdowns for language (English) and duration (5) is shown.
- Screen 3 (13:38):** The title is 'Peer feedback'. It asks the user to ask peers about their impressions and suggestions. A progress bar is at 54%. A recording icon with dropdowns for language (English) and duration (5) is shown.
- Screen 4 (13:39):** The title is 'SP Feedback'. It asks the user to ask the simulation patient about their impression. A progress bar is at 62%. A recording icon with dropdowns for language (English) and duration (5) is shown.
- Screen 5 (13:39):** The title is 'Tutor feedback and lessons learned'. It asks the user to ask the tutor about their impressions and suggestions. A progress bar is at 70%. A recording icon with dropdowns for language (English) and duration (2) is shown.

Each screen includes 'Previous' and 'Next' navigation buttons at the bottom.

Feed-forward in TIIM-app



You can find more information on the ACTIVATE project at:

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