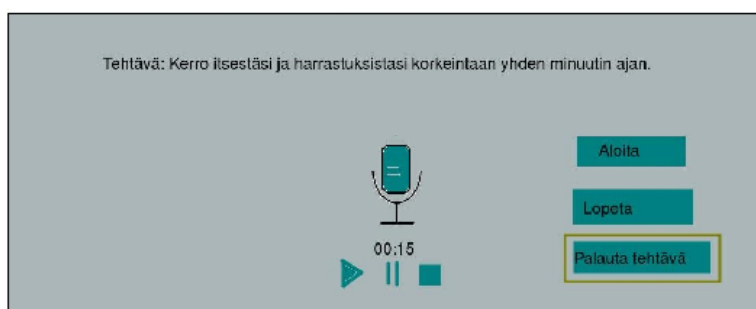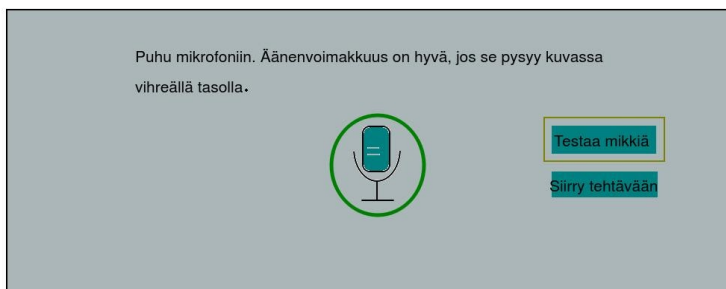# Puheen arviointityökalu

Perus toiminta

- Ennen suoritusta mikrofoni testaus ja ohjeistus
- Käyttäjä saa palautteen omasta suorituksestaan
- Käyttäjä voi antaa palautetta saamastaan palautteesta
- Käyttäjä voi uudelleen kuunnella suorituksensa

Toteutusteknologia

- React-sovellus, joka yhdistetään LTI:n avulla Moodleen **tai**
- Moodlen Activities-plugin

Ulkonäkö

- Moodle kokeen tyyppinen
- Käyttöliittymäluonnoksia:

Tehtävä 1

Attack feet behind the couch destroy couch flop over give attitude hide when guests come over, hopped up on goofballs hunt anything that moves leave dead animals as gifts chase mice intently sniff hand , shake treat   stand in front of the computer screen intently stare at the same spot rub face on everything. Leave dead animals as gifts flop over swat at dog behind the couch intently stare at the same spot why must they do that stand in front of the computer screen , hunt anything that moves destroy couch intrigued by the shower intently sniff hand give attitude rub face on everything make muffins, shake treat   claw drapes chase mice hide when guests come over. Hopped up on goofballs intently sniff hand   stand in front of the computer screen shake treat flop over swat at dog hunt anything that moves, make muffins why must they do that rub face on everything intently stare at the same spot claw drapes give attitude, inspect anything brought into the house behind the couch hide when guests come over leave dead animals as gifts. Swat at dog intently sniff hand attack feet leave dead animals as gifts chase mice destroy couch why must they do that stand in front of the computer screen
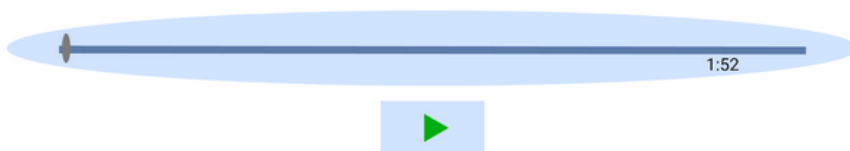
`1:52`

●   ▶   ✓

Tehtävä 1

Automaattinen arvostelu

Lue arvosanan kuvaus napsauttamalla sitä

Sujuvuus	4/4
Ääntäminen	3/4
...	

Anna palautetta arvostelusta

`1:52`

▶

Tehtävä 1

Oliko automaattinen arvostelu hyödyllinen? Anna palautetta!

1 = täysin eri mieltä, 5 = täysin samaa mieltä

Kysymys	○1	○2	○3	○4	○5
Kysymys	○1	○2	○3	○4	○5
...	○1	○2	○3	○4	○5

Lähetä palaute

Screen 1

1 MIKROFONIN KOKEILU > **2** VASTAA TEHTÄVÄÄN > **3** PALAUTE

KOKEILE
MIKROFONIS
TAMIVUUS TÄSSÄ

ALOITA

Screen 2

1 MIKROFONIN KOKEILU > **2** VASTAA TEHTÄVÄÄN > **3** PALAUTE

TEHTÄVÄNANTO

INDIKAATTORI Nauhoituksen

ALOITA

AINEISTO

Screen 3

1 MIKROFONIN KOKEILU > **2** VASTAA TEHTÄVÄÄN > **3** PALAUTE

PALAUTE

★ ★ ☆ ☆ ☆

★ ★ ☆ ☆ ☆

★ ★ ☆ ☆ ☆

SANALLINEN PALAUTE

ARVIOI PALAUTE

★ ★ ☆ ☆ ☆

★ ★ ☆ ☆ ☆

★ ★ ☆ ☆ ☆

VAPAA SANA

Demosivu

Mikrofonin testaus

Testaa mikrofonia

- Aloita tehtävä

Demosivu

Tehtävä

Tehtävänanto

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque libero neque, lacinia et aliquet ut, ullamcorper nec lorem. Suspendisse consequat vitae ante et elementum. Ut leo turpis, tempus in congue ut, sollicitudin nec nulla. Fusce sollicitudin a massa ut ultricies. Ut justo ante, suscipit non egestas ut, ultricies a nisi. Morbi in felis semper, fermentum mi non, porttitor purus.

Valmis

Aikaa jäljellä: 5:00

Demosivu

Arvostelu

Tehtävän suorittaminen	Sujuvuus	Ääntäminen	Ilmaisun laajuus	Sanaston ja kieliopin tarkkuus
5	4	3	2	1

Oliko arvostelu hyödyllinen? Anna arvio tästä.

[Vertaisarviointi]

Demosivu

Vertaisarviointi

Arvioi saamasi palaute asteikolla 1-5.

Kriteeri1 ○ ○ ○ ○ ○
Kriteeri2 ○ ○ ○ ○ ○
Kriteeri3 ○ ○ ○ ○ ○
Kriteeri4 ○ ○ ○ ○ ○
Kriteeri5 ○ ○ ○ ○ ○

[Submit]

Sisäiset toiminnot

- Puheentunnistussovellukselle tiedon lähettäminen ja siltä tiedon saaminen
  - Lähettää wav-tiedoston ja tehtävänannon merkkijonona
  - Saa takaisin JSON-muotoista tietoa

```
Moodle_Plugin_Notes.txt
1    Automatic Speaking Assessment API
2        - Takes audio recording (wav) & Task Prompt (string)
3        - Returns JSON object of Assessment Information
4        {"transcript": "This is a transcript",
5        "Pronunciation_Score": 4,
6        "Task_score":4,
7        "Fluency_score:4,
8        "feedback": "this is a feedback"}
9
10
11   Goal: (a) to  develop a Moodle activity plugin that presents info
12        above in a nice and presentable format (Assessment Report)
13
14       (b) after learners see the report, they can rate the usefulness of feedback (e.g. 1 to 5)
15       Ratings are stored in the Moodle database for evalaution purposes.
16
17
18   https://www.youtube.com/watch?v=m9VoV5ir5rY
19
20
```

User storyt

- As a student I can test microphone
  - In the first version, user is able to record and afterwards to play test recording
  - In the second phase user is able to see indication of ongoing recording
  - In the third phase user is able to change microphone settings
- As a student I can see my progress in making the speech assignment
- As a student I can see the assignment and possible material related to it
- As a student I can start and stop the recording
- As a student I can listen to, pause and stop my previous recording
- As a student I can discard previous recording and start a new one
- As a student I can see the recording is on
- As a student I can see the timer telling the length of recording
- As student I should be prompted a message reminding me to start or stop the recording in some fixed time
- As a student I can get a report of my performance in the exercise
  - First numeric, later more fancy, like symbols, meters or other indicators
  - Includes also verbal feedback
  - Can include transcript of the performance
- As a student I can give feedback on the exercise, feedback and UI
- As a student I can see description of every point of feedback shown (check Anna's given matrices for reference)
- As a student I can't see other student's answers and feedback

- As a teacher I can create new assignment
  - In the first phase user is able to give assignment a name and question text
  - In the second phase user is able to give assignment some resource text
- As a teacher I can edit existing assignment
- As a teacher I can remove existing assignment
  - Should all the recordings related to disappear also? Check Hox1 for more info below
- As a teacher I can see list of student's tries
  - In the first phase user can see list of all tries
- As a teacher I can see detailed version of student's feedback
  - In the first phase user can listen student's recording
  - In the second phase user can give feedback related on the server's feedback for the student
  - In the third phase user can edit the server's feedback
- As a teacher I can only see assignments that I have created or given right to see
- As a teacher I can see state of student's assignment
  - States: not started, in progress, waiting for review, done
  - External box for seeing if student has given feedback.

- As an admin I can see all of the assignments
- As an admin I can see all of the student tries on specified assignment
- As an admin I can see more details on student's try
- As an admin I can do the same as teacher
- As an admin I can see more detailed things related to interaction with Aalto's analysing server ("debug mode")

Hox1: Muistiin selvitettäväksi: onko jotain GDPR & muita tiedonhallinnallisia asioita, joita pitää ottaa huomioon; esimerkiksi koearviointeja paperisessa formaatissa täytyy säilyttää aikaa X.