



NetProF: User Manual

<https://np.ll.mit.edu/>

Select your language.



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Login and User Account

Practice pronunciation and learn vocabulary.



Practice vocabulary with audio flashcards.



Record your voice and get feedback on your pronunciation.



Create and share vocab lists for study and review.

Dari Egyptian English Farsi German Korean Iraqi Levantine Mandarin MSA Pashto1 Pashto2 Pashto3 Russian Spanish Sudanese Tagalog Urdu

Username

Password

[Forgot username?](#) [Forgot password?](#) [Help](#)

[Log In](#)

New User? [Sign up](#)

Username

Email

Password

Please choose : Are you a

☒ Student or ☐ Teacher?

[Sign Up](#)

a. Login with *Username* and *Password*, if applicable.

- b. Sign up as a “New User:”
- Create a *Username*.
 - Enter your *Email* (any valid email address).
 - Create a *Password*.
 - Select *Student* or *Teacher*.

Please do not check “Are you an assigned reference audio recorder?” as this is reserved for recording studio work only.

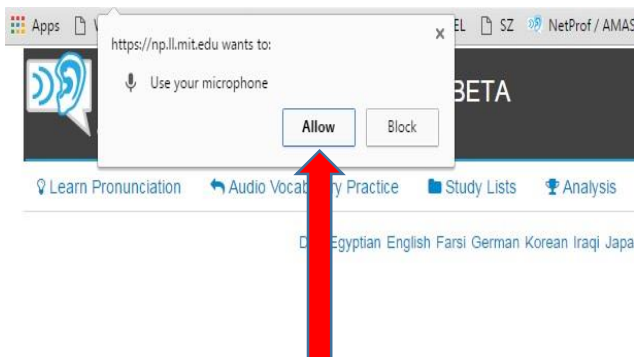
- v. Click “*Sign Up*.”

Microphone

Upon logging in, a dialog window will appear near the NetProF logo in the top left corner that requests sharing or enabling the microphone.

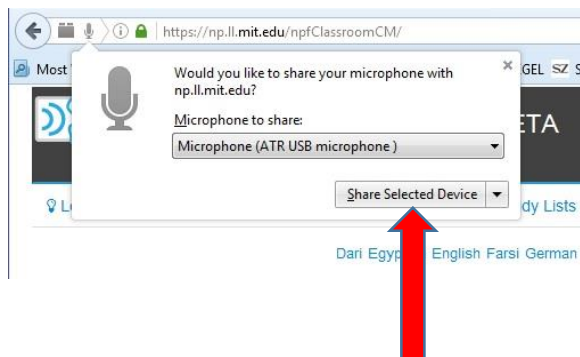
Google Chrome:

Click **“Allow”**



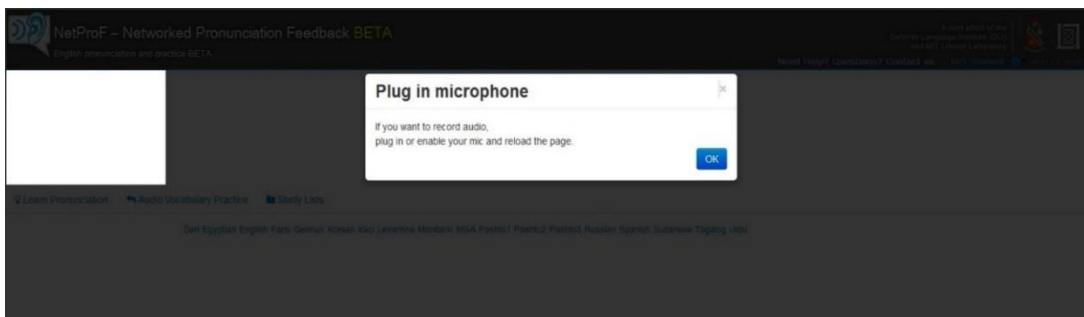
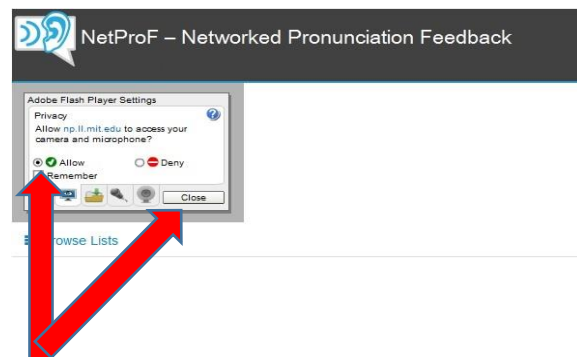
Mozilla Firefox:

Click **“Share Selected Device”**



or Adobe Flash Player Settings:

Click **“Allow”** then **“Close”**



Please note: A microphone is required to fully use NetProF. All laptops and Macbooks have built-in microphones. If you are on a desktop computer and no external microphone is connected you will be prompted by NetProF to plug in a microphone.

Overview of NetProF Screen

Main functions:

1. [Learn Pronunciation](#)
2. [Audio Vocab. Practice](#)
3. [Study Lists](#)
4. [Analysis](#)

NetProF uses Basic Course vocabulary and curriculum in Unit/Lesson (varies by language). Click buttons to select a particular Unit and/or Lesson.

Word/Phrase to practice.

To record, click and hold (!) "Record" button.

Reference recording of the word/phrase in 4 options: male regular + slow, female regular + slow

Each word/phrase was recorded by dozens of native speakers. This screen only shows one recording as reference.

Word / Phrase used in context: written and spoken

Score History: Track Sound Accuracy over time.

Sound accuracy / Pronunciation feedback.
(ASR = Automatic Speech Recognition)

The screenshot displays the NetProF interface for Mandarin pronunciation feedback. At the top, there's a header with navigation links: 'Learn Pronunciation', 'Audio Vocabulary Practice', 'Study Lists', and 'Analysis'. Below this is a grid for selecting units and lessons. The main content area shows a list of words and phrases, with '苏州' (Sūzhōu) selected. A red arrow points to the 'Record' button. To the right, a 'Score History' section shows a graph of sound accuracy over time. At the bottom right, a 'Sound Accuracy' section shows a gauge for ASR scores.



Part 1:

Learn Pronunciation

Functions

Example:
Unit 1 selected,
Lesson 1F
selected

Total of 100
items in this
Chapter.

Word/Phrase to
practice,
highlighted in
blue in the item
list.

To record, click
and hold (!)
“Record” button.

Word/Phrase used in context:
written and spoken (male and
female recording)

Unit 1 Lesson 1F Item 5806

捣乱 dǎo luàn to create a disturbance

Regular Slow

Record Download

Previous Next Add to List New List

Score History

Context Sentence

Sound Accuracy

Score

Repeat the phrase exactly as it is written. Saying something different or adding/omitting words could result in incorrect scores.

How to...

Listen to the reference recording: male voice (regular and slow speeds) & female voice (regular and slow speeds)

To record your own voice, click and hold (!) the “Record” button. Release when finished recording.

Target language word is broken down into individual sounds.

Student recording analysis: individual sounds are compared to native speakers’ recordings (green: OK to red: needs more practice)

Sound accuracy / Pronunciation feedback.
(ASR = Automatic Speech Recognition)

The screenshot shows a language learning interface. At the top, there are tabs for 'Learn Pronunciation', 'Audio Vocabulary Practice', 'Study Lists', and 'Analysis'. Below these are buttons for 'Unit' and 'Lesson', each with a 'Clear' button. A progress bar shows 'Unit 1 and Lesson 1F'. The main content area displays the word '捣乱' (dǎo luàn) with its English translation 'to create a disturbance'. Below the word is a phonetic breakdown: d, a3, o3, l, u4, a4, n. A 'Record' button is visible. To the right, there is a 'Score History' section with a bar chart and a 'Sound Accuracy' section with a circular gauge showing 54% accuracy. A red arrow points from the 'Record' button to the 'Record' button. Another red arrow points from the 'Record' button to the 'Record' button. A third red arrow points from the 'Record' button to the 'Record' button. A fourth red arrow points from the 'Record' button to the 'Record' button.

Download Student recording

NetProF allows student recordings to be downloaded as mp3 files to a local hard drive. The MP3 files can then for example be submitted to teachers or used as an audio portfolio.

Unit 1 Lesson 1F Item 5806

捣乱

dạo loạn

to create a disturbance

Regular

Slow

Record

Download

Opening 捣乱_to_create_a_disturbance_by_MG_student.mp3

You have chosen to open:

捣乱_to_create_a_disturbance_by_MG_student.mp3
which is: VLC media file (.mp3) (5.1 KB)
from: https://np.ll.mit.edu

What should Firefox do with this file?

☐ Open with VLC media player (default)

☒ Save File

☐ Do this automatically for files like this from now on.

OK Cancel

捣乱

d a3 o3 l u4 a4 n

Previous Next Add to List New List

1. After recording, click "Download".

2. Select "Save File" in the popup window and click "OK" to save mp3 file to local hard drive.

Submit downloaded file via email or shared network folder.



Part 2:

Audio Vocabulary Practice

Functions

Mandarin Pronunciation Feedback BETA
classroom Mandarin pronunciation BETA

Learn Pronunciation Audio Vocabulary Practice Study Lists Analysis

Unit 1 2 3 4 5 6 7
Lesson 1A 1B 1C 1D 1E 1F 1G 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

Download

Unit 1 and Lesson 1F

Remaining 77
Incorrect 14
Correct 9
Pronunciation 47

to drive
驾驶

Click/space and hold to record

24 of 100

Start Over See your scores

Dari Egyptian English Farsi German Korean Iraqi Japanese Levantine Mandarin MSAS Pashto2 Pashto3 Russian Spanish Sudanese Urdu

AUDIO On Off
START WITH Mandarin Both English
PLAY ON MISTAKE On Off
Shuffle

Flashcards appear in random order. Item tracker based on total available in Lesson.

Audio

On: Audio plays automatically when flashcard appears
Off: Click on FL word to play audio (highlighted in yellow)

Play On Mistake

On: Audio is repeated after incorrect pronunciation.
Off: Audio is not repeated after recording.

Analyze and track performance

Shuffle

Change order of cards.

Start With

[Language]: Card only shows FL; student needs to know English.
Both: shows FL and English.
English: Shows only English; student needs to know word in FL to record.

How to ...

Mandarin Pronunciation Feedback BETA
classroom Mandarin pronunciation BETA

Learn Pronunciation Audio Vocabulary Practice Study Lists Analysis

Unit 1 2 3 4 5 6 7
Lesson 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39

Unit 1 and Lesson 1F

Remaining 77
Incorrect 14
Correct 9
Pronunciation 47

to drive
驾驶

Click/space and hold to record

AUDIO On Off
START WITH Mandarin Both English
PLAY ON MISTAKE On Off
Shuffle

24 of 100

Start Over See your scores

Dari Egyptian English Farsi German Korean Japanese Levantine Mandarin MSA Pashto1 Pashto2 Pashto3 Russian Swedish Tagalog Urdu

Select Unit and Lesson

(terminology might differ depending on language program)

Press and hold (!) space bar on computer or click and hold (!) mouse button to begin recording, release to stop. The next card will be displayed automatically.

Click **Start Over** to redo the exercise.

Click **Shuffle** to change order of cards.

After recording

Learn Pronunciation Audio Vocabulary Practice Study Lists Analysis

Unit 1 2 3 4 5

Lesson 1A 1B 1C 1D 1E 1F 1G 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Download

Unit 1 and Lesson 1F

Remaining 68
Incorrect 21
Correct 11
Pronunciation 48

to read
看书

Heard 看书

Score 43%

32 of 100

Start Over See your scores

Dari Egyptian English Farsi German Korean Iraqi Japanese Levantine Mandarin MSA Pashto1 Pashto2 Pashto3 Russian Spanish Sudanese Tagalog Urdu

AUDIO On Off
START WITH Mandarin Both English
PLAY ON MISTAKE On Off
Shuffle

A green checkmark is displayed when student recording is in "Correct" range.

"Incorrect" recording only shows a red X, for example:



Pronunciation feedback score (no feedback on individual sounds, unlike in "Learn Pronunciation").

Analyze and track performance (different from "Analysis" function)



Part 3:

Study Lists

Create a New List ...using the Study Lists function

1. Click on “Study Lists”
tab

2. “Create a New List” tab

3. Add descriptive “Title”

4. Keep List Public/Private?

Public: List can be viewed and used by any logged-in user under “Browse Lists”

Private: List can only be viewed and used by user who created the list; the list is located under “Study Your Lists”

5. Click “Create List”

The screenshot shows a web interface for creating a new list. At the top, there are navigation tabs: 'Learn Pronunciation', 'Audio Vocabulary Practice', 'Study Lists', 'Study Your Lists', 'Study Visited Lists', 'Create a New List', and 'Browse Lists'. The 'Study Lists' tab is selected. Below the tabs, the 'Create a New List' form is displayed. It has a title field with 'NetProF Demo' entered, a description field, and a course info field. At the bottom, there are radio buttons for 'Public' and 'Private' (selected), and a 'Create List' button. Red arrows point from the numbered instructions to these elements: from the 'Study Lists' tab to the first instruction, from the 'Create a New List' tab to the second, from the title field to the third, from the 'Private' radio button to the fourth, and from the 'Create List' button to the fifth.

Learn Pronunciation Audio Vocabulary Practice Study Lists Study Your Lists Study Visited Lists Create a New List Browse Lists

Create a New List

Title
NetProF Demo

Description (optional)

Course Info (optional)

Keep List Public/Private?
☐ Public ☒ Private

Create List

Dari Egyptian English Farsi German Korean Iraqi Levantine Pashto2 Pashto3 Russian Spanish Sudanese Tagalog Urdu

Create a New List ...using the Learn Pronunciation tab function

Unit 1 Lesson 1F Item 5806

捣乱

dǎo luàn

to create a disturbance

Regular Slow

捣乱

d a3 o3 l u4 a4 n

Record

1. Click on "New List" button. The new list is set to Private by default.

2. Enter a list title.

3. Click "OK."

Previous Next Add to List New List

NetProF Demo OK


ian English Farsi German Korean Iraqi Levanti ian Spanish Sudanese Tagalog Urdu


Add existing items to user study list


Use this feature to add challenging words to a study list for easy retrieval and practice.



In the “Learn Pronunciation” tab:




Unit 1 Lesson 1F Item 5806


捣乱 

dǎo luàn 



to create a disturbance 


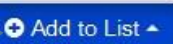
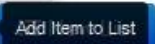
☒ Regular  ☐ Slow 



d a3 o3

Previous   

Favorites

NetProF Demo

1. If necessary, create user study list (see pp. 17-18)

2. Click on “Add to List” button

3. Select destination list from pop-up selection.
The user-created list(s) will be among the options.

Create Customized Entries

Study Your Lists Study Visited Lists Create a New List Browse Lists

NetProF Demo

Download

Learn Pronunciation Audio Vocabulary Practice Add/Edit Item

Search

1-1 of 1

English Mandarin

New Item

Mandarin

Transliteration (optional)

English

Normal speed reference recording

Record

Slow speed reference recording (optional)

Record

Create

1. Go to "Add/Edit Item" tab

2. Add FL and EN for new item.

2. Use native speaker for recordings. "Normal speed reference recording" is required; "Slow speed reference recording" is helpful but not required.

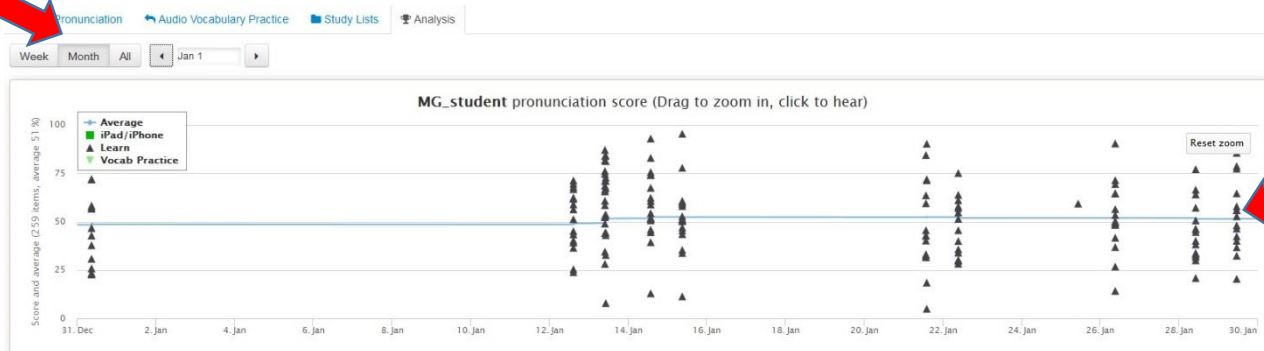


Part 4:

Analysis

Functions

Review your performance in all your recordings, sortable by Week, Month, or All.



Each symbol represents one word/item. Clicking on the symbol will direct you to that item in the “Learn Pronunciation” tab.

Words Starting Jan 1

1-8 of 137

Mandarin	Score	Play	Ref
不是 就是	20	▶	▶
大概	23	▶	▶
街景	25	▶	▶
被	26	▶	▶
杯子	28	▶	▶
血压	28	▶	▶
诊断	29	▶	▶
检查	29	▶	▶

Clicking on a word will direct you to that item in the “Learn Pronunciation” tab, where you can practice further and improve your score.

Click on the **Play** button to hear your recording. Click on the **Ref** button to hear the reference recording.

Sounds

Words with c first ten

1-8 of 47

Sound	#	Initial	Curr.	+/-	Examples of sound	Play	Ref
c	3	0	0	0	健身操	▶	▶
s	31	25	13	-12	j14a4nshet1n1at01	▶	▶
sh	21	22	14	-8	健身操	▶	▶
t	41	48	23	-25	j14a4nshet1n1at01	▶	▶
ts	10	23	23	0	健身操	▶	▶
ts2	21	41	24	-17	j14a4nshet1n1at01	▶	▶
a1	23	62	25	-37		▶	▶
p	8	25	25	0		▶	▶

Clicking on the sound produces other examples of words that contain that sound. You can play your recording for that sound and also the reference recording.

You can also view your performance for a particular sound over time.

The “Sounds” window provides an analysis of individual sounds.



Language Technology Evaluation and Application



Contact:

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