

User Guide

Automatic Audio Labeler for Speaker Verification (A2LSV)

Project Owner

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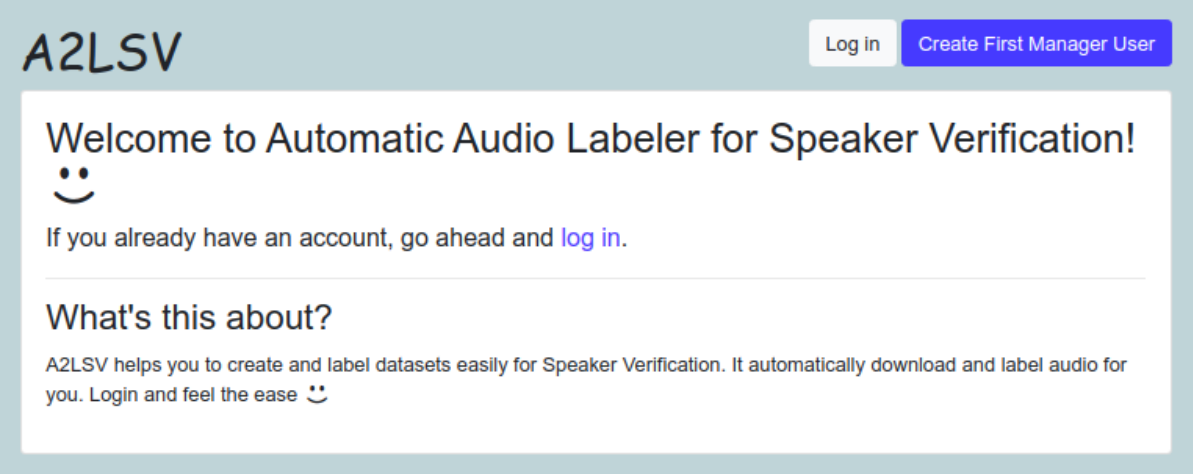
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## 1. Access to A2LSV System as Manager

In A2LSV, there is no user as default, To login A2LSV system as manager, you need to create first manager user. Then you can access with this credentials to system as manager.

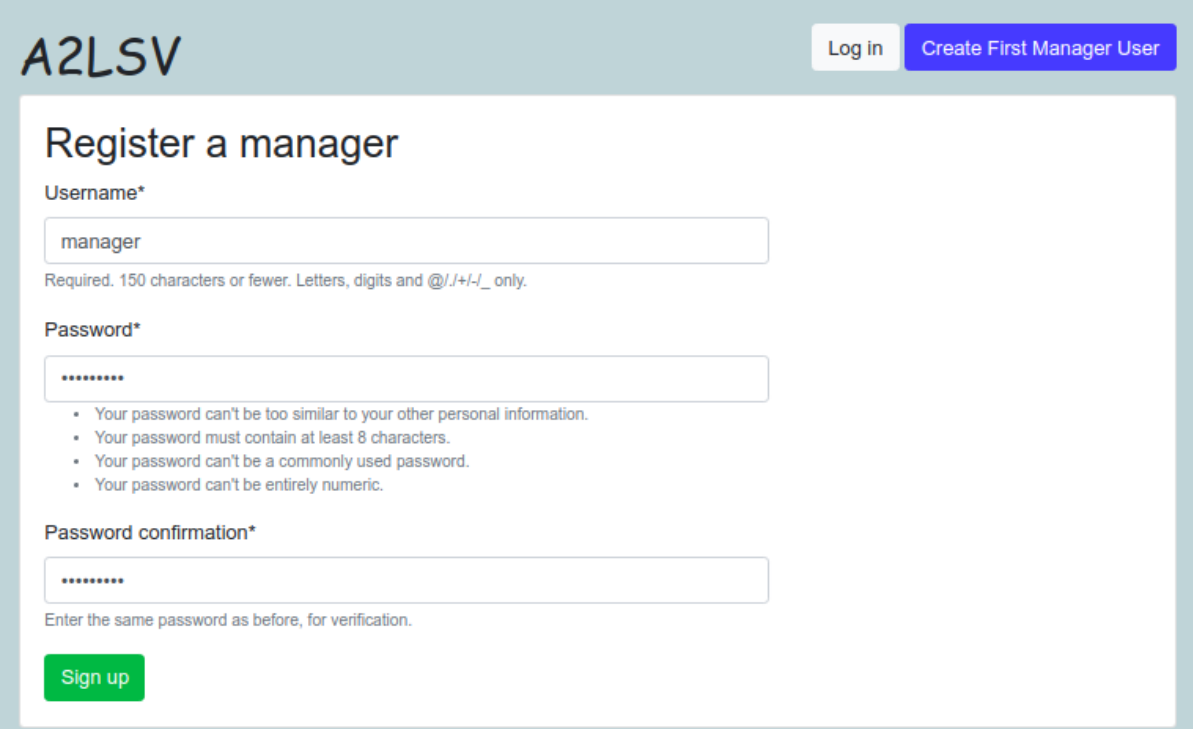
### 1.1. Creating First Manager User

Open browser and go to url address of the system provided by the system admin. If you are at local host, go to <http://127.0.0.1:8000/> url address.



The image shows the A2LSV welcome page. At the top left is the 'A2LSV' logo. At the top right are two buttons: 'Log in' and 'Create First Manager User'. The main content area has a heading 'Welcome to Automatic Audio Labeler for Speaker Verification!' followed by a smiley face emoji. Below this is a link 'log in.' for existing users. A section titled 'What's this about?' explains that A2LSV helps create and label datasets for speaker verification and includes a 'Login and feel the ease' link with a smiley face emoji.

Then click the 'Create First Manager User' button and fill the 'username' and 'password' fields to create manager user.



The image shows the 'Register a manager' page. It has the same header as the welcome page. The main content area is titled 'Register a manager' and contains three form fields: 'Username\*' with the value 'manager', 'Password\*' with masked characters, and 'Password confirmation\*' with masked characters. Below the password field is a list of password requirements. At the bottom is a green 'Sign up' button.

Username\*

manager

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

Password\*

.....

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation\*

.....

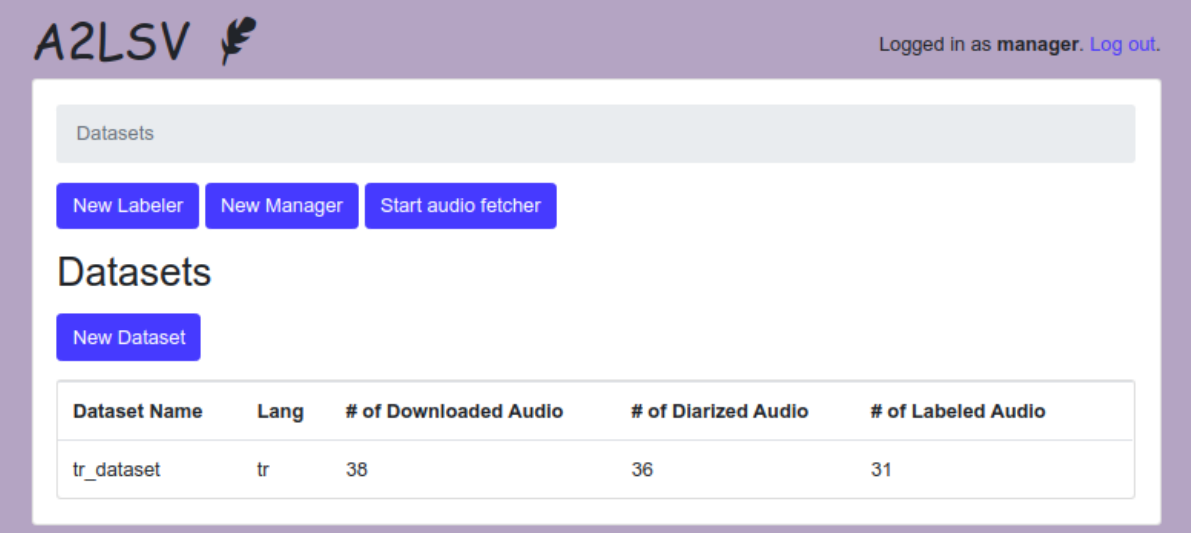
Enter the same password as before, for verification.

Sign up

After you clicked the 'Sign Up' button, if values are valid, you will be redirected to Manager's home page.

## 1.2. Access to Manager's Home Page

After logged in as manager, you will be redirected to Manager's home page. All datasets will be listed on this page. You can see the dataset name, language, number of downloaded audios, number of diarized audios and number of labeled audios.



The screenshot shows the A2LSV Manager's Home Page. At the top left is the A2LSV logo with a feather icon. At the top right, it says "Logged in as manager. [Log out.](#)". Below the header is a "Datasets" section with three buttons: "New Labeler", "New Manager", and "Start audio fetcher". Below these buttons is a "Datasets" heading and a "New Dataset" button. At the bottom is a table with the following data:

Dataset Name	Lang	# of Downloaded Audio	# of Diarized Audio	# of Labeled Audio
tr_dataset	tr	38	36	31

On this page, there are several things you can do. You can create a new Manager or Labeler. You can create a new dataset. You can start audio fetcher.

## 1.3. Creating New Manager

To create a new Manager user, you must login as a manager. On Manager's home page, you should click 'New Manager' button. After that, you will be redirected to below page.

## Register a manager

Username\*

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

Password\*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.


Password confirmation\*

Enter the same password as before, for verification.

After you fill the 'username' and 'password' fields, you will be logged in as new Manager.

### 1.4. Creating First Manager User

To create a new Labeler user, you must login as a manager. On Manager's home page, you should click 'New Labeler' button. After that, you will be redirected to below page.

A2LSV 

Logged in as **manager1**. [Log out.](#)

## Register a labeler

**Username\***

Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

**Language\***

tr

**Password\***

\*\*\*\*\*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

**Password confirmation\***

\*\*\*\*\*


Enter the same password as before, for verification.

Sign up

After you fill the 'username', 'language' and 'password' fields, you will be logged in as new Labeler and redirected to Login page.

## 1.5. Creating New Dataset

To create a new Dataset, you must login as a manager. On Manager's home page, you should click 'New Dataset' button. After that, you will be redirected to below page.

A2LSV 

Logged in as **manager1**. [Log out.](#)

Datasets / Add a new dataset

## Add a new dataset

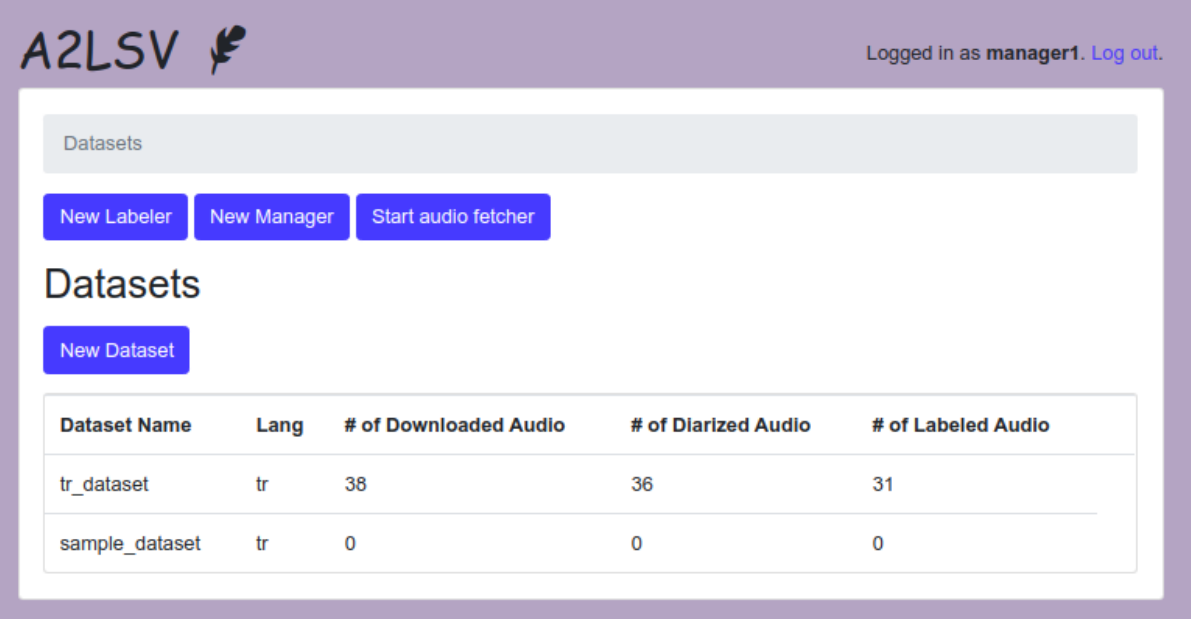
**Name\***

**Language\***

tr

Save Nevermind

After you fill the 'name' and 'language' fields, you will be redirected to Manager's home page. Now you can see the created new dataset information below.

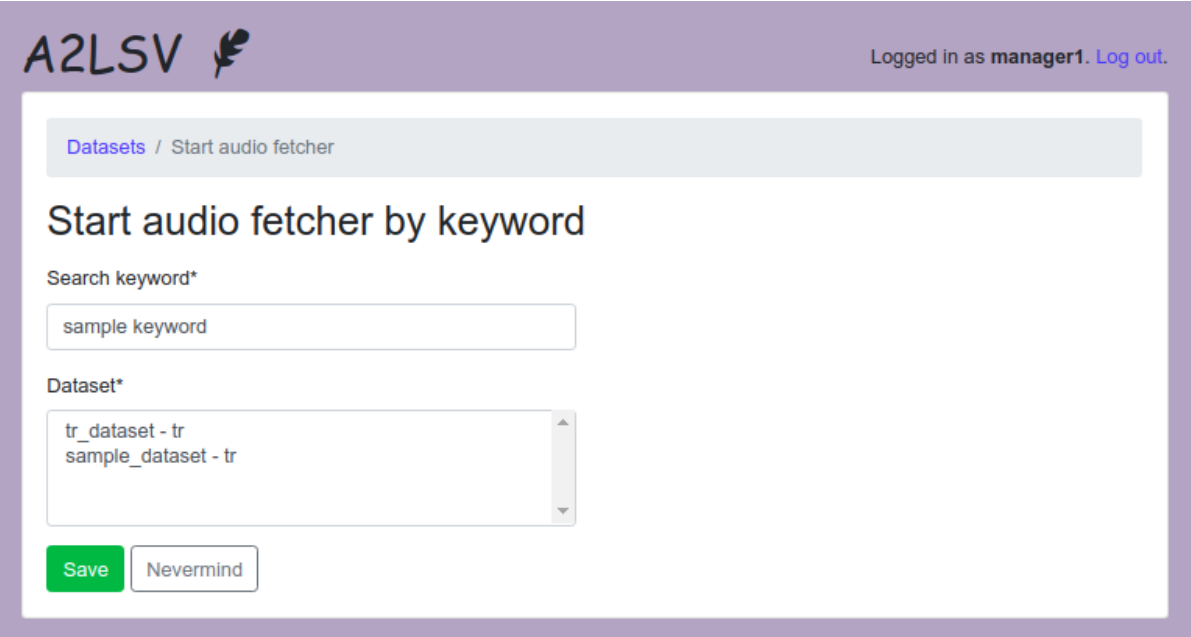


The screenshot shows the A2LSV Manager interface. At the top, the logo "A2LSV" is on the left, and "Logged in as manager1. Log out." is on the right. Below the header, there's a "Datasets" section with three buttons: "New Labeler", "New Manager", and "Start audio fetcher". Underneath, the heading "Datasets" is followed by a "New Dataset" button. A table lists the datasets:

Dataset Name	Lang	# of Downloaded Audio	# of Diarized Audio	# of Labeled Audio
tr_dataset	tr	38	36	31
sample_dataset	tr	0	0	0

## 1.6. Starting Audio Fetcher

To start audio fetcher, you must login as a manager. On Manager's home page, you should click 'Start Audio Fetcher'. After that, you will be redirected to below page.



The screenshot shows the "Start audio fetcher by keyword" page. At the top, the logo "A2LSV" is on the left, and "Logged in as manager1. Log out." is on the right. Below the header, there's a breadcrumb "Datasets / Start audio fetcher". The main heading is "Start audio fetcher by keyword". There are two input fields: "Search keyword\*" with the value "sample keyword", and "Dataset\*" with a dropdown menu showing "tr\_dataset - tr" and "sample\_dataset - tr". At the bottom, there are two buttons: "Save" (green) and "Nevermind" (white).


After you fill the 'Search keyword' and 'Dataset' fields, you will be redirected to Manager's home page. After some time, you can see some increments on '# of Downloaded Audio' and '# of Diarized Audio' fields.

## 2. Access to A2LSV System as Labeler

To access A2LSV system as labeler, you need to login with labeler user credentials.

### 2.1. Access to Labeler's Home Page

After logged in as labeler, you will be redirected to Labeler's home page. You can list pre-labeled audios. You can select one of them to label.

A2LSV 

Logged in as **labeler**. [Log out.](#)

Audios


### Audios

Channel Title	Audio Title	
Hülya Meral	KORONA SAVAR 10 GIDA   NELERİ TÜKETELİM?	<a href="#">Label this</a>
ALI ILIK	Korona Virüsü Gerçekmi ? Hounds online Ne anlatıyor ?	<a href="#">Label this</a>
Medyascope	Koronavirüs salgınına karşı Azerbaycan'da alınan önlemler	<a href="#">Label this</a>
Best Kanal	Astroloji Türkiye Haritası ve Korona	<a href="#">Label this</a>
Semra Topcu	Bağlama virtüözü Erdal Erzincan'dan korona mesajı!	<a href="#">Label this</a>
Anadolu Ajansı	Sağlık Bakanı Koca Türkiye'deki ilk koronavirüs vakasını açıkladı	<a href="#">Label this</a>

### 2.2. Labeling Audios

After selecting an audio to label, you will be redirected to labeling page. On this page, all audio parts and pre-labels will be loaded. Labeler user just need to check, change if necessary and confirm.



A2LSV



Logged in as **labeler**. [Log out](#).

Audio Labeling

## Audio Labeling

**Status:** 3.wav labeled as Speaker #2

3.wav



Label Controls

Play/Pause

Speaker #1

Speaker #2

Add Speaker

Clear Labels

Speed Controls

Speed 1.5x

Speed 2x

Speed 3x

Load previous Audio File

Load next Audio File

Confirm Labels

Playlist

3.wav  
4.wav  
16.wav  
8.wav  
10.wav


You can use above buttons to label audio. You can play or pause audio. You can label with ‘Speaker #’ buttons. You can add speaker. You can reset labels with ‘Clear Labels’ button. You can speed up. You can load next or previous audio file. And finally, you can confirm labels.

To do labeling very efficiently, labeler user can use keyboard shortcuts. Below is the shortcut table.

Shortcut	Description
CTRL + Space	Play/Pause current audio.
Right Arrow	Load next audio.
Left Arrow	Load previous audio.
CTRL + Right Arrow	Forward audio
CTRL + Left Arrow	Backward audio.
CTRL + Up Arrow	Set speed to 2x.
CTRL + Down Arrow	Set speed to 1x.
“a”	Add new speaker.
1, 2, 3, 4, .. , 9	Label speaker as according to input number.
Delete	Delete this audio.

### 2.3. Solving Speaker Duplicate

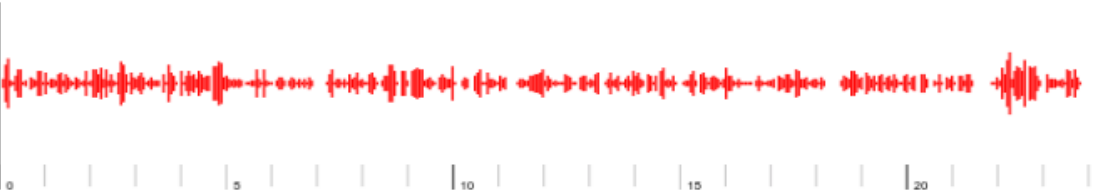
After confirming audios, labeled speakers will be controlled if there is any similar speaker, if there is you will be redirected solving speaker duplicate page. Now you can check similar speaker's audio files, compare them and confirm whether they are same speaker or not. After confirming, if there are other similar speakers, you will be redirected to solve those speaker duplicate issues too. After you solved the speaker duplicate issues, labeling will be finished and you will be redirected to Labeler User's home page.

A2LSV 


Logged in as **labeler**. [Log out.](#)

Speaker Duplicate Control

### Speaker Duplicate Control



Play/Pause



Play/Pause

**Playlist**

0.wav  
1.wav  
4.wav  
21.wav  
39.wav  
42.wav  
44.wav

**Playlist**

3.wav  
4.wav  
16.wav

Different Speaker

Same Speaker