

Video augmentation and graph exploration

Test cases

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Account

Registration

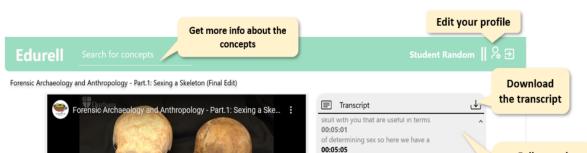
Everything is OK

Acces Registration Menu from Welcome Page:

- Click on the “Login” Button (top-right of the welcome page)



A tutorial is available right bellow:



- Once on the Login Page, Click on “No account? Register here”

The form is titled "Edurell". It has a green "No account? Register here" button. The login section is labeled "Login :". It contains two input fields: "Email" with placeholder "Enter your Email" and "Password" with placeholder "Enter your Password" and a "Show" button. Below the password field is a "Login" button. At the bottom is a link "You forgot your password ?".

- Once on the Register Page (see photo below) :
 - Enter your email address to create the account and login in the future. The email address must be valid.
 - Enter your name and surname, they are required for the creation of the account
 - Enter a password and confirm it (both fields must contain the same password)
 - Click on “Register” to go to the validation page
 - Important :** All fields are compulsory. If one field remains empty, an alert will show up to warn the user. The next step is accessible only if all the fields are filled.

Edurell

[Back to Login Menu](#)

Register :

Email

Name

Surname

Password
 [Hide](#)

Confirm your Password
 [Hide](#)

[Register](#)

- When all the fields are filled click on “Register”, you will be redirected to the validation page for registration

Edurell

[Back to Login Menu](#)

Email validation :

A verification code has been sent to your email address to ensure your identity. Please Enter the code

[Finish Registration](#)

- Enter the validation code received on the email address indicated as the address associated to the new account
- Click on “Finish registration” to finish the registration of the new account

localhost:3000 indique

Your account has been created, you can now login

OK

Email validation :

A verification code has been sent to your email address to ensure your identity. Please Enter the code

Finish Registration

- When you enter the right code, the account is created
- An alert will show up
- Click on “OK”, you will be redirected to the login page

One field is empty

- If one field is empty when you click on “Register”, an alert will warn you that something is missing

localhost:3000 indique

Please enter your Surname

OK

Registration

Email

Name

Surname

Password confirmation does not match the password

Your password confirmation doesn't match, please change it

OK

Registration

Email

Name

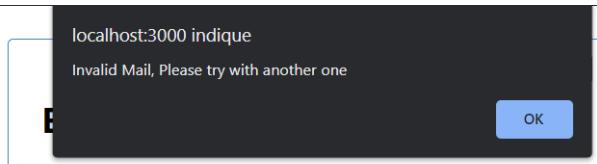
Surname

Password
 Hide

Confirm your Password
 Hide

Invalid email address

- If the email address is invalid, the confirmation code can't be sent so an alert will appear



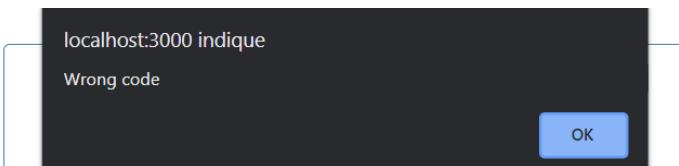
Register :

Email

OK

Wrong confirmation code

- If the confirmation code is wrong, an alert will appear and the account won't be created



Email validation :

A verification code has been sent to your email address to ensure your identity. Please Enter the code

Finish Registration

Edition

In this section we test 3 scenarios :

1. We change the name and/or the surname
2. We leave the name and/or the surname empty
3. We try to use more than 20 characters in each field

Both field specified

- Go to the edit profile page

The screenshot shows the Edurell profile edit page. At the top, there is a green header bar with the Edurell logo on the left and a user menu on the right. Below the header, the page title is "Edit your profile here!" followed by a pen icon. There are two input fields: "Name:" containing "Julie" and "Surname:" containing "Massari". At the bottom, there are two buttons: a green "SAVE CHANGES" button with a checkmark icon and a red "DELETE MY ACCOUNT" button with a trash can icon.

- Click on the pen to switch to edition mode
- A text "You are in edition mode" warns you

The screenshot shows the Edurell profile edit page. At the top, there is a green header bar with the Edurell logo on the left and a user menu on the right. Below the header, the page title is "Edit your profile here!" followed by a pen icon. A warning message "⚠ You are in edition mode" is displayed. There are two input fields: "Name:" containing "Julie" and "Surname:" containing "Massari". At the bottom, there are two buttons: a green "SAVE CHANGES" button with a checkmark icon and a red "DELETE MY ACCOUNT" button with a trash can icon.

- In the edition mode change your name and/or your surname

Edit your profile here ! ↴

⚠ You are in edition mode

Name: J

Surname: M

SAVE CHANGES ✓

DELETE MY ACCOUNT ✖

- Here we go from “Julie” to “J” and from “Massari” to “M”
- Click on “Save changes” to confirm

Edit your profile here ! ↴

⌚ localhost:3000

Your changes were saved

OK

Surname: M

SAVE CHANGES ✓

DELETE MY ACCOUNT ✖

- An alert pops up to confirm the change
- Click on “OK”

Edit your profile here! ↗

Name: J

Surname: M

SAVE CHANGES ✓

DELETE MY ACCOUNT ✖

- The change appears on the edit profile page
- Go back to the dashboard

Welcome to your EDURELL dashboard!

Browse the catalog



Check your history



Early Computing: Crash



Lecture 1.1 — What Is

- The change also appears in the header of the dashboard

One field missing

- Leave the “name” field empty

The screenshot shows the Edurell profile edit page. At the top, there's a green header bar with the Edurell logo and a "Test Profile" button. Below the header, the page title is "Edit your profile here!" with a pencil icon. A warning message "⚠ You are in edition mode" is displayed. The "Name" input field is empty and has a red border, indicating it's a required field. The "Surname" input field contains the value "Profile". At the bottom, there are two buttons: a green "SAVE CHANGES" button with a checkmark icon and a red "DELETE MY ACCOUNT" button with a trash can icon.

- The field changes his color and turns to red
- Click on “Save changes”

The screenshot shows the Edurell profile edit page with a dark gray overlay. An alert dialog box is centered, displaying the text "localhost:3000" with a gear icon, "Please specify your name", and an "OK" button. Below the overlay, the "Edit your profile here!" title and the "Surname" input field ("Profile") are visible. The "SAVE CHANGES" and "DELETE MY ACCOUNT" buttons are at the bottom.

- An alert pops up to ask you to specify the name

- Same for the surname

Edurell

Test Profile || ⌂ ⌂ ⌂

Edit your profile here ! ↴

⚠ You are in edition mode

Name:

Surname:

SAVE CHANGES ✓

DELETE MY ACCOUNT ✖

Edurell

Test Profile || ⌂ ⌂ ⌂

Edit your profile here ! ↴

⊕ localhost:3000

Please specify your surname

OK

Surname:

SAVE CHANGES ✓

DELETE MY ACCOUNT ✖

Input maxLength = 20

We set a maximal length for the name and the surname to 20 characters. Therefore it's impossible to enter more than the limit of characters. No alert pops up if you try to use more characters, but it will just stop writing at 20 characters.

Deletion

To delete an account you need the email address associated with the account. As soon as you click on “Delete my account” you will receive an email with a code to confirm your choice. We will test 3 scenarios here:

1. Correct validation code
2. No code entered
3. Wrong validation code

Correct validation code

- Go to the “Edit profile” page

The screenshot shows the Edurell 'Edit profile' page. At the top, there is a green header bar with the Edurell logo and user information: 'test test || ⌂ ⌂ ⌂'. Below the header, the page title is 'Edit your profile here !' with a pencil icon. There are two input fields: 'Name:' with 'test' typed in and 'Surname:' with 'test' typed in. At the bottom, there are two buttons: a green 'SAVE CHANGES' button with a checkmark icon and a red 'DELETE MY ACCOUNT' button with a trash can icon.

- Click on “Delete my account”
- The button will transform and ask you for a validation code
- You will receive this code by email (on the address used for the account”)

The screenshot shows the Edurell 'Edit profile' page after the 'DELETE MY ACCOUNT' button was clicked. The page title is 'Edit your profile here !' with a pencil icon. The 'Name:' field still contains 'test'. A new red input field labeled 'Enter the validation code' is present, and below it is a 'Confirm' button. The original 'SAVE CHANGES' button is no longer visible.

- Enter the validation code in the field
- Click on “Submit”

The screenshot shows the Edurell profile editing interface. At the top, there's a green header bar with the Edurell logo and a user menu. Below it, a large title says "Edit your profile here! 🔒". The main form has fields for "Name" (with "test" entered) and "Surname" (with "test" entered). At the bottom, there are two buttons: a green "SAVE CHANGES" button with a checkmark icon, and a red-bordered "Confirm" button containing the validation code "l2cu50".

- An alert pops up to confirm that your account is deleted
- Click on “OK “ and you are back on the welcome page

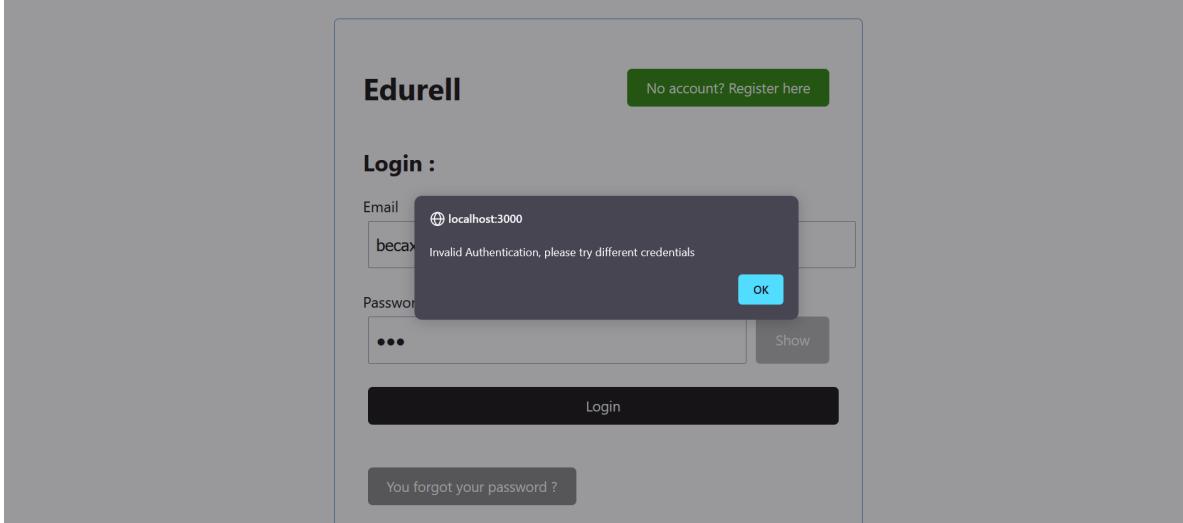
The screenshot shows the Edurell welcome page with the title "Welcome to Edurell!". A dark gray modal dialog box is centered, displaying the message "localhost:3000" and "your account was deleted" with an "OK" button. Below the dialog, a message says "A tutorial is available right bellow:". The main content area shows a video player for "Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)" and a transcript section.

The screenshot shows the Edurell welcome page with the title "Welcome to Edurell!". A dark gray modal dialog box is centered, displaying the message "localhost:3000" and "your account was deleted" with an "OK" button. Below the dialog, a message says "A tutorial is available right bellow:". The main content area shows a video player for "Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)" and a transcript section. A callout bubble points to the "Download the transcript" link in the transcript sidebar.

A tutorial is available right bellow:

This screenshot shows a detailed view of the transcript download interface. It features a video player at the top with the same "Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)" content. Below the video is a transcript section with a dropdown menu. A callout bubble points to the "Download the transcript" link in this menu. The transcript content includes a snippet: "skill with you that are useful in terms".

- If you try to login with the account that you just deleted, an alert pops up to show an error in the credentials
- Which is normal because the account no longer exists

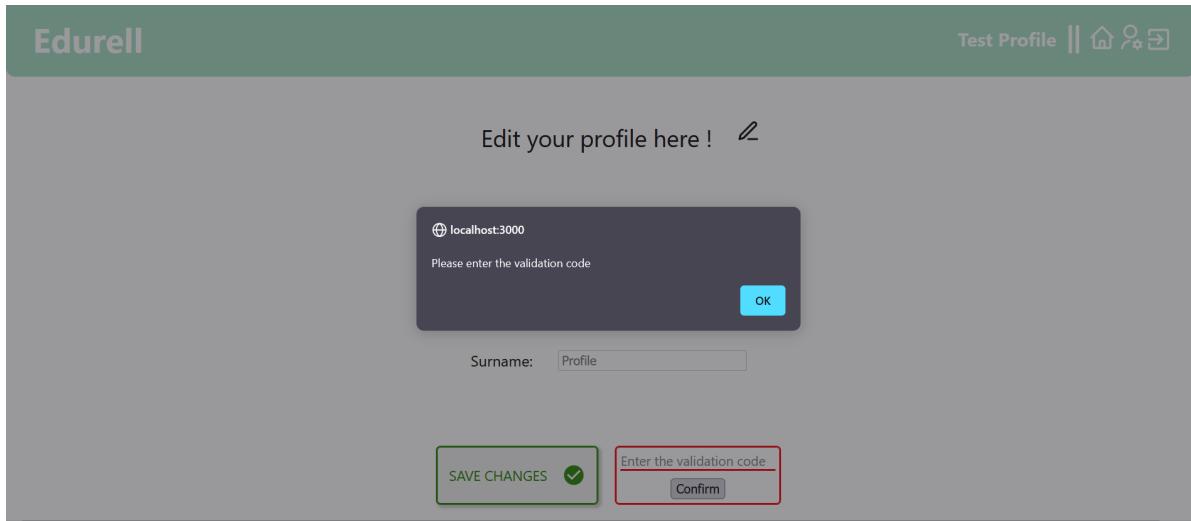


No validation code entered

- Click on “Delete my account”
- The button will turn into a field to enter the validation code and submit your request

A screenshot of the Edurell profile editing interface. At the top, the logo 'Edurell' is on the left, and 'Test Profile ||' with icons for home, user, and settings are on the right. Below this, the text 'Edit your profile here !' is followed by a pencil icon. The form fields include 'Name:' with the value 'Test' and 'Surname:' with the value 'Profile'. At the bottom, there are two buttons: 'SAVE CHANGES' with a checkmark icon and 'Enter the validation code' with a red border and 'Confirm' button.

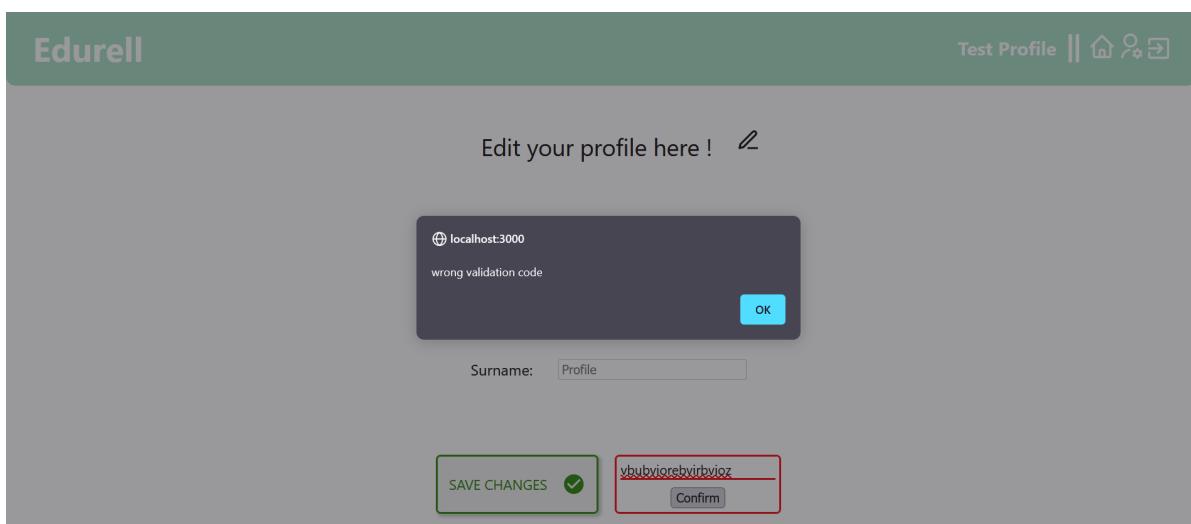
- Do not enter anything
- Submit



- An alert pops up to remind you of entering the code

Wrong validation code

- On the editing profile page, click on “Delete my account”
- Enter a wrong code for validation
- Submit



- An alert pops up to warn you that the code is wrong

Login

Welcome page

The screenshot shows the Edurell welcome page. At the top, there is a green header bar with the Edurell logo on the left and a "LOGIN" button on the right. Below the header, the main content area has a light gray background. A large, bold "Welcome to Edurell!" heading is centered at the top of this area. Below it, a smaller text says "Explore the catalog and try hypervideo services to improve your distance learning". At the bottom of the main content area, there is a footer bar with several items: "Edurell", "Search for concepts", a speech bubble icon labeled "Get more info about the concepts", a user profile icon labeled "Edit your profile", and links for "Student Random", "Logout", and "Help". A yellow callout box points to the "Edit your profile" button.

Click on the button “Login”

Login page

The screenshot shows the Edurell login page. At the top, there is a header with the Edurell logo and a "No account? Register here" link. Below the header, the main form area has a white background. It is titled "Login :". There are two input fields: "Email" (containing "Enter your Email") and "Password" (containing "Enter your Password"). Next to the password field is a "Show" button. Below the password field is a "Login" button. At the bottom of the form is a link "You forgot your password ?". To the right of the form, there are three red numbers: "1", "2", and "3", each aligned vertically with one of the steps in the numbered list below.

1 & 2 : Fill in the fields to specify the credentials. First, the email address associated with the account, then the password.

Click on “Show” to see your password while you are typing it.

3 : Click on “Login” to access your account. You will be redirected to your dashboard.

Dashboard

Catalog exploration

Consistent research

- On the dashboard click on the search bar “Browse the catalog”
- Enter a consistent title

The screenshot shows the Edurell dashboard with a green header bar. On the left, there's a search bar containing the text "fore". A dropdown menu is open below it, listing three items: "Forensic Archaeology and Anthropology - Part.1: Sexin...", "Forensic Archaeology and Anthropology - Part.2...", and "Forensic Archaeology and Anthropology - Part.3...". Below the search bar, there are two cards: "Early Computing: Crash" (with a cartoon character icon) and "Lecture 1.1 — What Is" (with a video thumbnail of a person speaking).

- The suggestions appear right below the search bar

Random research

- On the dashboard, enter a random value in the catalog

The screenshot shows the Edurell dashboard with a green header bar. On the left, there's a search bar containing the text "bvuibvdq". Below the search bar, there is a "Check your history" section. It lists two items: "Early Computing: Crash" (with a cartoon character icon) and "Lecture 1.1 — What Is" (with a video thumbnail of a person speaking).

- Nothing is suggested

History exploration

No history

- If you have not watched any video yet, you don't have a history so no video will appear

The screenshot shows the Edurell dashboard. At the top, it says "Welcome to your EDURELL dashboard!". Below this is a search bar with "Browse the catalog" and a magnifying glass icon. A section titled "Check your history" displays the message "You have not watched any lesson yet".

History registered

- If you have watched videos, they will be stored and appear in a horizontal list
- The last video stored in the history is at the end of the list (on the right)

The screenshot shows the Edurell dashboard. At the top, it says "Welcome to your EDURELL dashboard!". Below this is a search bar with "Browse the catalog" and a magnifying glass icon. A section titled "Check your history" lists three videos:

- Forensic Archaeology and Anthropology - Part 1: Sexing a Skeleton (Final Edit) by Durham University
- Early Computing: Crash Course Computer Science #1
- Lecture 1.1 — What Is Machine Learning — [Machine Learning | Andrew Ng]

- For example if you click on the first title of the first video (here: "Forensic...") you will access the page corresponding to the video, see below:

The screenshot shows the Edurell video player for the first video in the history list: "Forensic Archaeology and Anthropology - Part 1: Sexing a Skeleton (Final Edit)". The video player includes:

- A thumbnail image of a skeleton.
- The video title: "Forensic Archaeology and Anthropology - Part 1: Sexing a Skeleton (Final Edit)".
- The video duration: 9:20.
- The play button.
- The transcript panel on the right, which shows the following text:

00:00:08 once you have your skeleton in the lab
00:00:10 and you've laid it out in anatomical
00:00:12 position and you've recorded all the
00:00:14
- The interactive knowledge graph panel on the right, which displays a network of nodes and connections related to the video content.

Header

The header is a tool to access different features. It is different according to the page where you are :

1. Header on the welcome page

Edurell

LOGIN

2. Header on the video page

Edurell

Search for concepts



Test Profile || ⌂ ⌂ ⌂

3. Header on the dashboard and edit profile page

Edurell

Test Profile || ⌂ ⌂ ⌂

Links

Here we are interested in the links that the dashboard provides



3 features are available (from the left to the right):

1. Go back home (to the dashboard)

This home icon redirects you to your dashboard

2. Edit my profile

This settings icon redirects you to the edit profile page (where you can change your name and/or surname and/or delete your account)

3. Logout

This exit account allows you to logout from your account and redirects you to the welcome page

Video augmentation and knowledge visualisation

Start at the last timestamp of the video

Once you logged-in, you should see your dashboard with the videos that you already visited:

Welcome to your EDURELL dashboard!

Browse the catalog

Check your history

 Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)	 Early Computing: Crash Course Computer Science #1	 Lecture 1.1 — What Is Machine Learning — [Machine Learning Andrew Ng]
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If you click on a video in your history, you will directly start the video at the timestamp of your last visit (here 3min 09sec)

Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)

A regarder ... Partager

Transcript

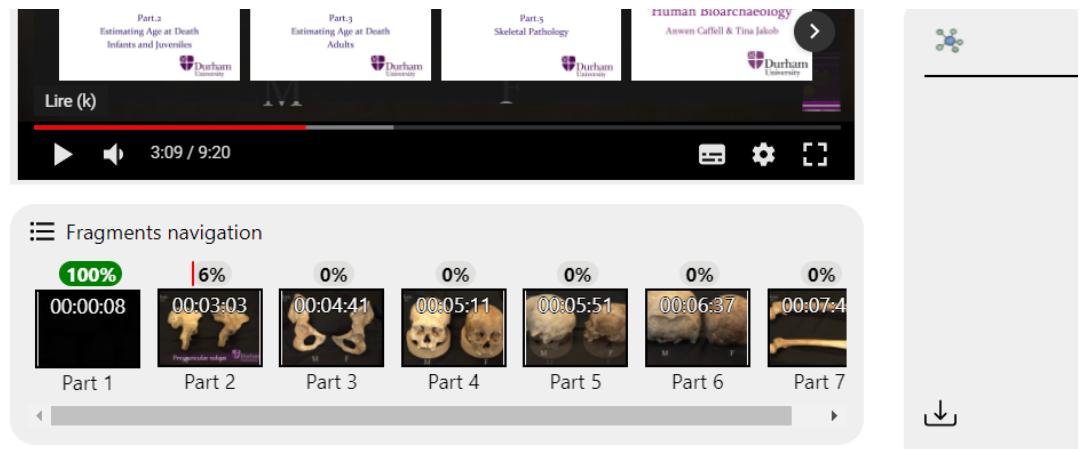
00:00:08 once you have your skeleton in the lab
00:00:10 and you've laid it out in anatomical
00:00:12 position and you've recorded all the
00:00:14 bones that are present the first aspect
00:00:17 of identity that you want to establish

Interactive Knowledge Graph

Fragments navigation

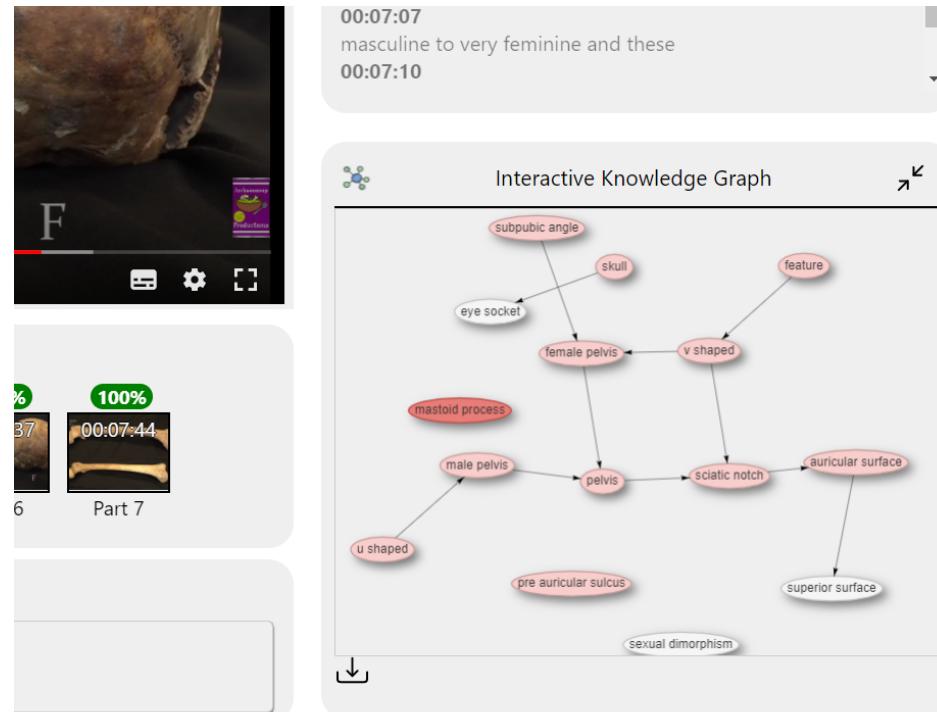
Part 1	Part 2	Part 3	Part 4	Part 5	Part 6	Part 7
00:00:08	00:03:03	00:04:41	00:05:11	00:05:54	00:06:37	00:07:44

Fragment navigation



You can navigate to the wanted part of the video by clicking on the image once. You can see with the progress bar over each video fragment if the user has watched it entirely or not. The images correspond to the frame of the video at the starting fragment

Interactive Knowledge Graph



On the bottom right of the page corresponding to a video, there is an interactive knowledge graph that shows the concepts that are explained in the video and their links. The nodes change their colors according to where you are timewise in the video (grey when the concept will be seen later in the video, red when it's being explained right now and light red when it's already have been explained)

Dots

The screenshot shows a video player interface for 'Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton'. At the top, there's a logo for Université de Montréal. Below the video frame, a red timeline bar has two dots labeled 'M' and 'F'. To the right, there's a 'Transcript' window with the following text:

you can see that it's smooth above the
00:06:32 mastoid process and there's no
00:06:34 pronounced Ridge these are the same
00:06:36 skulls viewed from behind as you can see
00:06:39

Below the transcript is an 'Interactive Knowledge Graph' diagram. It shows nodes like 'subpubic angle', 'skull', 'feature', 'eye socket', 'female pelvis', 'v shaped', 'auricular surface', 'scatic notch', 'superior surface', 'u shaped', and 'pre auricular sulcus'. A callout box highlights the 'mastoid' node, which includes a 'GoToConcept : 00:06:06' button and an 'Open detailed description' link.

- When you click on a concept node in the graph, you have 2 dots appearing on youtube's timebar, corresponding to where the concept's explanation starts and where it ends. The dots disappear if you unfocus the node (click on an empty space in the graph box)

View more (simple click) and Navigation (simple or double click)

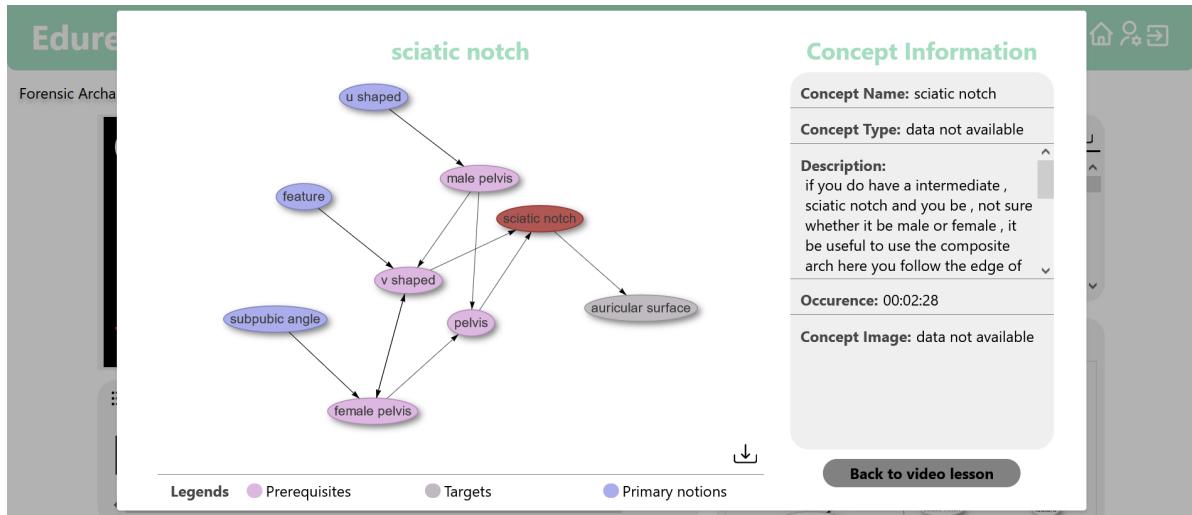
- When you click on a concept node in the graph, a pop up window appear (see previous photo).
- You can go to the part of the video where the concept's explanation begin by clicking on the "GoToConcept" button. A double-click on the node have the same behavior, you navigate to the timestamp of the video where the concept's explanation begin.

The screenshot shows the same video player interface as the previous one, but the timeline bar now has a single dot at position 'F'. To the right, the transcript window continues with:

the forehead of the male tends to slake
00:06:06 slightly further backwards when we look
00:06:10 at the mastoid process which is this
00:06:12 feature here you can see that the female
00:06:15

The 'Interactive Knowledge Graph' diagram is identical to the one in the first screenshot, showing the same network of concepts and the 'mastoid' node with its associated 'GoToConcept' button.

You can have more details on a concept by clicking the “Open detailed description” button. It will open this window :



Download

"Human Bioarchaeology"
Anwen Caffell & Tina Jakob

Durham University

100%
00:07:44
Part 7

Interactive Knowledge Graph

- You can download the graph in a json format by clicking on the Download Icon below the graph on the left

Transcript

Synchronization

- On the right of the video, you can find the corresponding transcript to follow the video

The screenshot shows the Edurell interface. On the left is a video player window displaying a woman in a lab coat sitting at a desk. The video title is "Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)". Below the video is a "Fragments navigation" bar with thumbnails for Part 1 through Part 6, each with a timestamp. On the right is a "Transcript" panel containing the following text:

00:00:08 once you have your skeleton in the lab
00:00:10 and you've laid it out in anatomical
00:00:12 position and you've recorded all the
00:00:14

Below the transcript is an "Interactive Knowledge Graph" diagram illustrating skeletal features and their relationships.

- You can navigate in the video with the transcript
- Click on one element in the transcript to start the video at the timestamp chosen

The screenshot shows the Edurell interface. On the left is a video player window displaying a woman in a lab coat sitting at a desk. The video title is "Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)". Below the video is a "Fragments navigation" bar with thumbnails for Part 1 through Part 6, each with a timestamp. On the right is a "Transcript" panel containing the following text:

00:00:10 and you've laid it out in anatomical
00:00:12 position and you've recorded all the
00:00:14 bones that are present the first aspect
00:00:17

Below the transcript is an "Interactive Knowledge Graph" diagram illustrating skeletal features and their relationships.

Edurell Search for concepts 

Test Profile ||    

Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)



0:14 / 9:20 Dr Rebecca Gowland Durham University cc

Fragments navigation

Part 1	00:00:08 3%	Part 2	00:03:03 27%	Part 3	00:04:41 0%	Part 4	00:05:11 0%	Part 5	00:05:51 0%	Part 6	00:06:37 0%	Part >
--------	---------------	--------	----------------	--------	---------------	--------	---------------	--------	---------------	--------	---------------	--------

Transcript 

00:00:14 bones that are present the first aspect
 00:00:17 of identity that you want to establish
 00:00:18 is sex one of the reasons that you do
 00:00:21

Interactive Knowledge Graph 



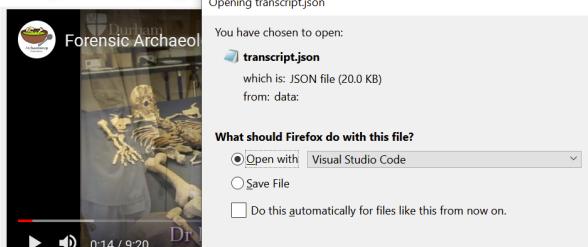
Download

- You can also download the transcript in a JSON format
- To do that, click on the icon on the right of the title “Transcript”

Edurell Search for concepts 

Test Profile ||    

Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)



Opening transcript.json

You have chosen to open:

transcript.json which is: JSON file (20.0 KB) from: data:

What should Firefox do with this file?

Open with Visual Studio Code

Save File

Do this automatically for files like this from now on.

OK **Cancel**

Fragments navigation

Part 1	00:00:08 3%	Part 2	00:03:03 27%	Part 3	00:04:41 0%	Part 4	00:05:11 0%	Part 5	00:05:51 0%	Part 6	00:06:37 0%	Part >
--------	---------------	--------	----------------	--------	---------------	--------	---------------	--------	---------------	--------	---------------	--------

Transcript 

00:00:14 bones that are present the first aspect
 00:00:17 of identity that you want to establish
 00:00:18 is sex one of the reasons that you do
 00:00:21

Interactive Knowledge Graph 



Notes

- For each video you can take notes and write them down in the box at the bottom of the page.
- Your notes will be saved every 10 sec.

The screenshot shows a video player interface for 'Forensic Archaeology and Anthropology - Part.1: Sexing a Ske...' by Dr. Rebecca Gowland. The video is at 0:14 / 9:20. The transcript on the right shows the following text:

00:00:14 bones that are present the first aspect
00:00:17 of identity that you want to establish
00:00:18 is sex one of the reasons that you do
00:00:21

The Interactive Knowledge Graph below the transcript shows relationships between various anatomical features and sexual dimorphism. The Notes section at the bottom contains the handwritten note: "I take notes about Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)".

- After watching the video, if you go back to the dashboard and then back again to the video, you will see your latest notes registered.

The screenshot shows the same video player interface as before, but now with the handwritten note from the previous screenshot visible in the Notes section at the bottom. The note reads: "I take notes about Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)".

The search bar to help understand a concept

Consistent research

- To get more details about a concept introduced in the video you can use the header's search bar

The screenshot shows the Edurell interface. At the top, there is a green header bar with the Edurell logo on the left, a search bar containing "Search for concepts" with a magnifying glass icon, and user information on the right including "Julie Massari" and icons for home, search, and refresh.

Forensic Archaeology and Anthropology - Part.1: Sexing a Skeleton (Final Edit)

- Type anything to see the results
- To view more details about a concept click on the concept chosen

The screenshot shows the Edurell interface with a search query "v" entered into the search bar. A dropdown menu appears with suggestions: "female pelvis", "male pelvis", "pelvis", and "v shaped". To the right, there is a video player showing a woman speaking, a transcript window, and a timeline indicating the video is at 00:00:10. The transcript shows the text "and you've laid it out in anatomical".

- Here we choose “v shaped” and “female pelvis”
- A window looking like a pop up will open

The screenshot shows the Edurell interface for the concept "v shaped". On the left, there is a diagram with nodes: "feature", "female pelvis", "sciatic notch", and "v shaped". Arrows point from "feature" to "v shaped", "female pelvis" to "v shaped", and "sciatic notch" to "v shaped". On the right, there is a "Concept Information" panel with the following details:

- Concept Name: v shaped
- Concept Type: data not available
- Description: data not available
- Occurrence: data not available
- Concept Image: data not available

At the bottom, there is a "Back to video lesson" button.

The screenshot shows the Edurell interface for the concept "female pelvis". On the left, there is a diagram with nodes: "feature", "subpubic angle", "v shaped", "female pelvis", and "pelvis". Arrows point from "feature" to "v shaped", "subpubic angle" to "female pelvis", "v shaped" to "female pelvis", and "female pelvis" to "pelvis". On the right, there is a "Concept Information" panel with the following details:

- Concept Name: female pelvis
- Concept Type: data not available
- Description: the subpubic angle be much wider and the length of the pubis be much longer , and this be to increase the size of the pelvic , Inlet and pelvic outlet to facilitate childbirth .
- Occurrence: 00:01:41
- Concept Image: data not available

At the bottom, there is a "Back to video lesson" button.

- For each concept we have different information
 - The title at the top of the window
 - The sub-knowledge graph corresponding to the concept
 - The legends on the left to help understand the graph
 - Extra information about the concept
 - The name
 - The type
 - The description
 - The occurrence : when the concept is introduced
 - An image representing the concept
- Not all the information is always present
- If an information is missing, it is specified
- If an information has a big content (ex : the description) the content becomes scrollable (description of female pelvis)
- Above the legends and on the right, an icon allow the user to download the subgraph in a JSON format
- Finally at the bottom right, we have the button to go back to the video and close the window

Random research

- If you type something not consistent in the search bar you will simply get no result

