

EXPLANATORY SHEETS: ROADMAP H5P

Reminder: These roadmaps will allow a better understanding of the workflow of digital interactive contents production through practical recommendations and testimonies of professionals.

In that way, we intend to support learners and teachers in their learnings but also after the training, in their practical working life.

1. About the technology

The technology used	Interactive Video
Final objective and result	Creating a branching scenario which shows a chat between friends, where the viewer can decide about their plans for the weekend.
Description of the tool	In this case a branching scenario was created – multiple videos combined with questions in between. By answering the question the viewer decides about the protagonists' plans for the weekend. The branching scenario was created with the software H5P. H5P allows you to integrate various question types, labels, text, images, navigation hotspots etc. With the option ' branching scenario (beta) ' you can create 'choose-your-own-adventure' videos.
Medium used (computer, tablet, phone)	Computer (also possible on other devices but it is easier with a bigger screen size)
Where will it be accessible (app, platform, website...)	It was created in Moodle (Learning Management System of BFI OÖ) with the H5P plugin. But as it was created specifically for this MOOC there are no plans of publishing it anywhere else at the moment.
How long did it take to develop this tool?	Creation of the videos and branching scenario: 2,5 hours 30 min to develop the script 90 min to create the videos (including some test runs) 60 min to save the videos correctly and create the branching scenario (including a test at the end and some improvements) Creation of the video was done in advance. It was a simple production. 2 people were chatting while the screen was recorded. The script was planned in detail beforehand, as there were many different videos needed. With proper planning and a written script



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	it was still quite simple to do. This kind of interactive video can be time consuming though.
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2. Used software

Name of the software	<p>H5P (free Moodle plugin)</p> <p>https://h5p.org/</p> <p>Plugins also exist for WordPress, Drupal and several other publishing systems. This HTML5-content can also be created without a plugin directly on H5P.com (this service will be charged though).</p>
Name of the company	<p>H5P is a community driven project Joubel (driving force behind H5P)</p>
Copyright status (cc, proprietary system, etc)	<p>H5P is an open source community driven project https://h5p.org/licensing</p> <p>H5P is an open-source tool for creating many different kinds of interactive (learning) materials – one of them is the interactive video.</p> <p>The part where you may have to pay for is the hosting – so be aware that there is a difference between H5P.org and H5P.com.</p> <p>On H5P.org you can test drive the tool and if you like it and want to use H5P, you basically have these options:</p> <ol style="list-style-type: none"> 1. You can create AND host on H5P.com. This means you have to pay H5P for hosting your content. 2. Use the H5P plugin (possible for Moodle, Drupal and Wordpress) which is for free (no hosting by H5P). <p>More information here: https://h5p.org/integrations and https://h5p.org/installation</p>

In case you have used additional resources for the content of your tool, please describe them below:

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3. Cost

Cost of the creation of this tool	0 €
General pricing plan	No additional costs, but personnel expenses

In case you have used additional resources for the content of your tool, please detail their cost below:

No additional cost for resources

4. Steps of production

Please describe each step of the production of the tool

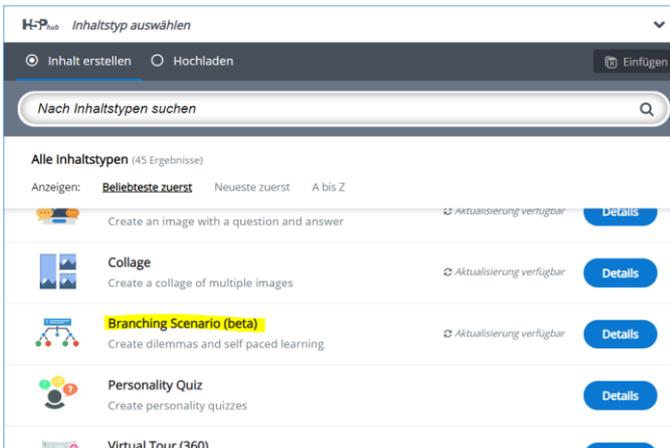
Design phase

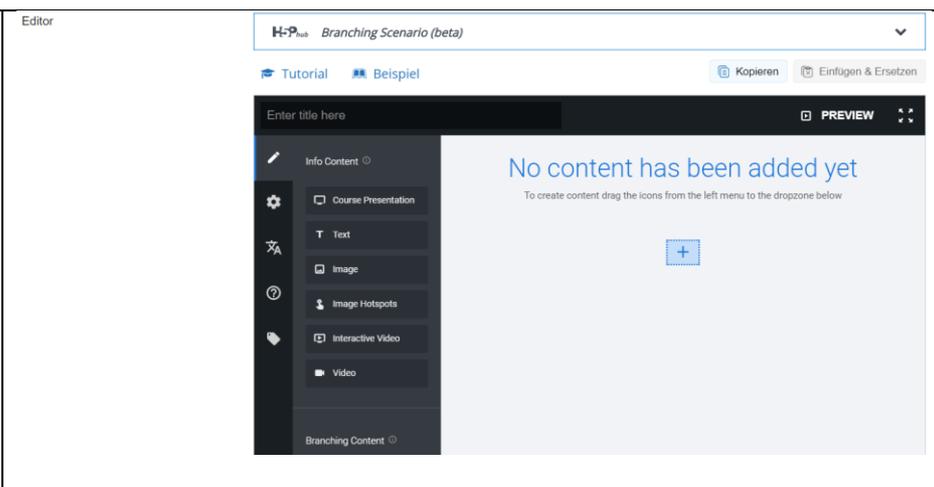
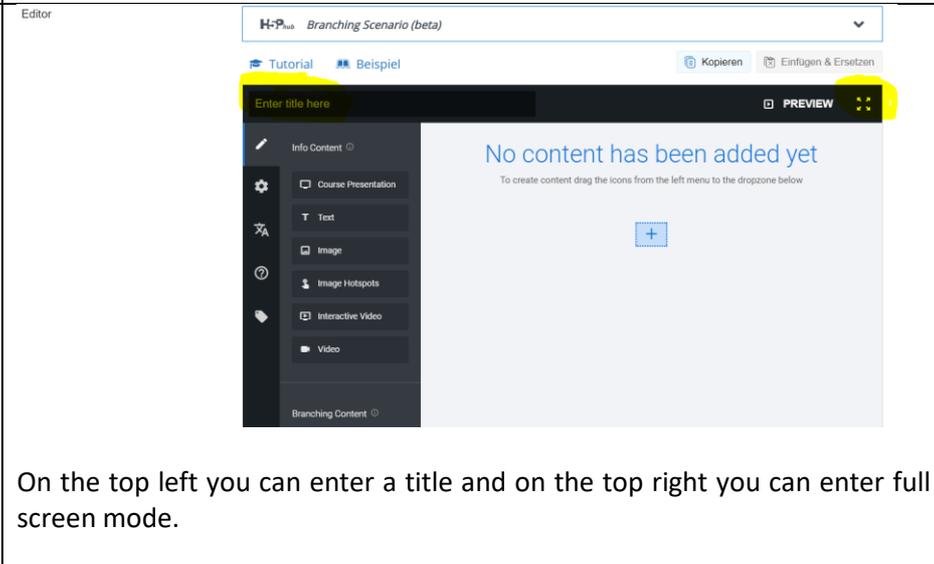
Why did you create this tool?	<p>As an institute for adult education we offer many different courses. Teaching digitally becomes an increasingly important part. Interactive videos can range from simple videos like this example to very complex and complicated ones. If you keep it simple, you can easily create engaging learning content for your students. They can access it with any digital device any place, any time – as long as it has an internet connection.</p> <p>As we use Moodle and have the H5P plugin in our institution our trainers regularly use interactive videos to enhance the learning experience. Branching scenarios are still quite rare though. We wanted to give a simple example.</p> <p>This kind of interactive video can easily be used for educational purposes and adult education.</p>
What functionalities does it have?	<p>After a short clip, the viewer can answer a simple question. By choosing one of 2 options the user decides how the scenario continues (which video will be played next).</p>

What will be its purpose? (pedagogical, communication, games, etc.)	This video was created to showcase the branching scenario. This kind of interactive video can be created for pedagogical purposes, as preparation for a test, repetition of important content etc.
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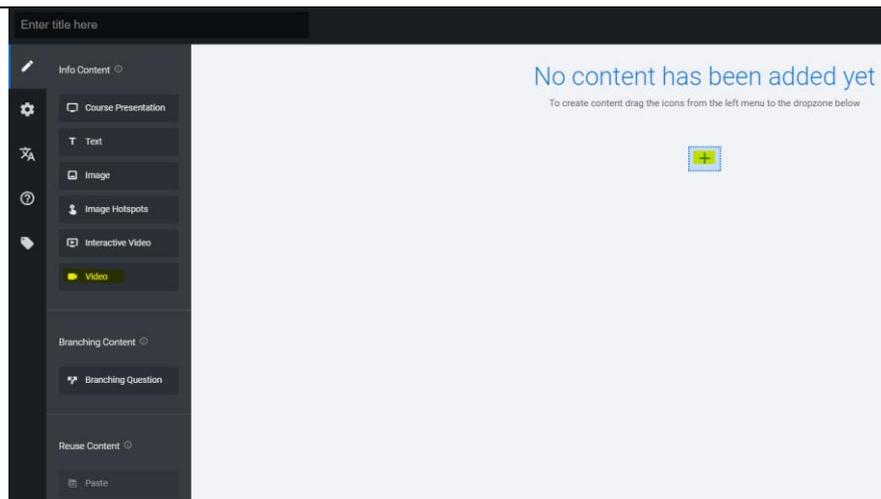
5. Creation phase

Please name and describe below the different steps of the creation of the tool (min 5)

<p>Choose H5P branching scenario</p>	<p>When using H5P as a plugin in Moodle you first have to change into editing mode in Moodle and create a new activity. In the activity picker you need to choose H5P and then you again get a choice of different interactive content – here you need to choose ‘interactive video’.</p> <div style="text-align: center;">  </div> <p>Then the editor shown below for the H5P branching scenario appears.</p>
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<p>Name the project and enter full screen mode</p>	 <p>On the top left you can enter a title and on the top right you can enter full screen mode.</p>

Start adding content



Click on the video icon on the left and drag it on the plus symbol. This opens the following dialogue:

Give the video a recognizable title (the first video could be called “start”). Then click on the plus symbol to add a video. You can upload one from your computer or use an online video (e. g. from YouTube).



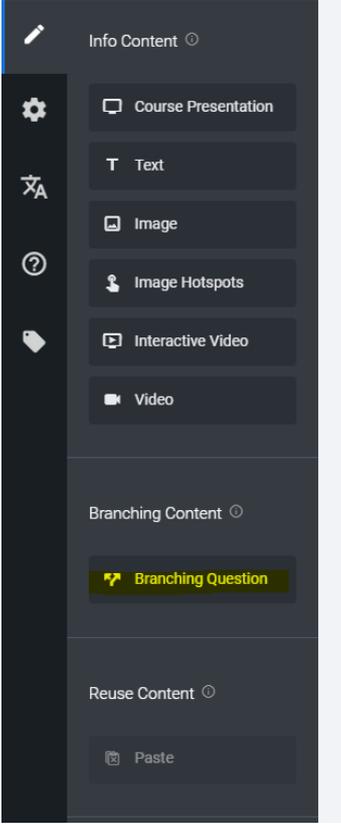
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	<p>You can then choose from various options: like should the video be played automatically or should the user click the play button, etc.</p> <p>At the bottom we can find the branching options – we leave them at the moment the way they are and come back later, as soon as we added more content.</p>
<p>Add a Branching Question</p>	<p>In the menu on the left you can find “Branching Question” – drag and drop it underneath your video “start” (a plus symbol will appear above and another one beneath your video – you can choose where to place your branching question).</p>  <p>The screenshot shows a dark-themed menu with the following items: Info Content (with a dropdown arrow), Course Presentation, Text, Image, Image Hotspots, Interactive Video, Video, Branching Content (with a dropdown arrow), Branching Question (highlighted in yellow), and Reuse Content (with a dropdown arrow). Under Reuse Content, there is a Paste option.</p>



Unbenannt: Branching Question Remove Done

Name* Metadaten

Wird für die Suche, Berichte und Urheberrechtsinformationen benutzt

Unbenannt: Branching Question

Frage*

Verfügbare Alternativen*

Alternative ✕ ↑ ↓

Text*

Branching Options

Alternative ✕ ↑ ↓

Text*

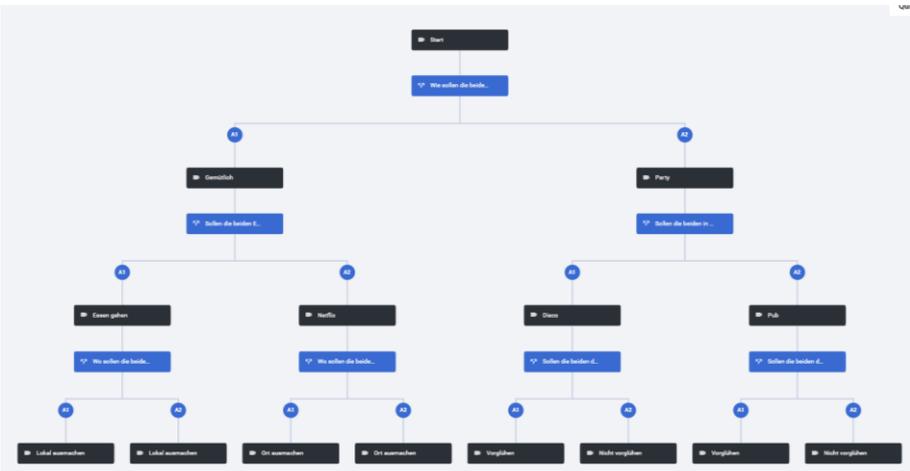
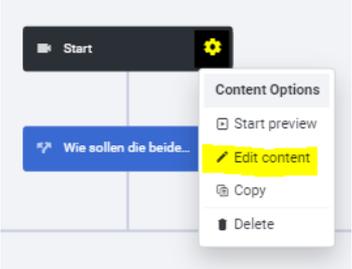
This window will appear and you can give a name to the branching question (can also be a call to action like “make a choice”), enter the actual question the viewer should answer and also give various (at least two) options they can choose from.

If you give them 2 options – you are creating 2 branches and you’ll need 2 videos to continue. By the way, in a branching scenario you can actually include various content types. It does not necessarily need to be a video, but this example only includes the content type video.

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graph TD
    Start[Start] --> Question[How should the two...]
    Question --> A1((A1))
    Question --> A2((A2))
  
```

If you put in 2 options you will see A1 and A2. You can now again drag and drop a video underneath A1 and A2 and you have created your first branch.

<p>Add further content and branching questions</p>	<p>Like before you can add additional content and branching questions and build your branching scenario.</p> <p>This is the branching scenario built out for this example:</p> 
<p>Set branching options</p>	 <p>Now go back to the videos, click “Edit content” and scroll down to “Branching Options”:</p>

Start
Remove Done

Videoquellen *

Um sicher zu stellen, dass das Video in allen Browsern funktioniert, sollten sowohl Quellen im Format WebM und MP4 hinzugefügt werden.

mp4

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▸ Darstellung

▸ Abspielen

▸ Barrierefreiheit

Titel anzeigen

Wenn diese Einstellung angewählt wird, sehen die Lernenden den Inhaltstitel in der Titelzeile über dem Inhalt

Branching Options

Special action after this content

Jump to another branch

Select a branch to jump to *

Wie sollen die beiden Ihren Abend verbringen? (Branching Question)

Choose "Jump to another branch" and then select the Branching Question this video should link to (this is why you should give them proper names). Do this for every video.

6. Inclusive approach

What action did you implement to make this tool inclusive to as many users as possible?

If you use a video with audio narration include subtitles.

7. Good / bad practices

Would you recommend this software to the users?	Yes
Please explain	The branching scenario is not as simple as H5Ps traditional interactive video but you can create powerful branching scenarios for all kinds of purposes. Depending on digital skills



	and time budget it can be rather quick and simple (still good results) or very elaborate.
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What recommendation would you give to people creating such tool or creating content on this technology?

Know your goal! What do you want to achieve by using this tool? It might be hard to find exactly the right videos. So maybe it is better to create your own videos. Therefore preparation is key. Think about the different branches you want to create and write a script. Maybe you can also find a simple way of creating your videos like using PowerPoint for screencasts.
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