# Transcript: Do more with WordToEPUB (webinar)

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Full details about this webinar including links to related resources can be found on our website: <https://daisy.org/news-events/articles/do-more-with-wordtoepub-w/>

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Hello everyone, and a very warm welcome to you.   
My name is Kirsi Ylänne, I’m an Accessibility Specialist at the Celia Library here in Finland.   
Celia is a national centre for accessible literature and publishing in Finland, funded by the Finnish Ministry of Education and Culture, and we   
are proud to be members of the DAISY Consortium.   
I am your guest host for today’s webinar, the “Do more with WordToEPUB”.   
OK, let’s get started!   
In a previous webinar titled, “Create EPUB publications from Word with a simple tool anyone can use” we learned about why DAISY developed WordToEPUB; how to download and install; and there were some quick demonstrations on producing EPUB titles. If you missed it, then the video, transcript and slide   
deck are available on the website.   
This session will demonstrate the very latest version of the software, introduce you to the newest features and give a taste of what is coming soon.   
OK, I'm going to get us started and hand over to our panelists to introduce themselves.

>> Richard Orme: Thank you so much. Hello, everyone. My name is Richard Orme. I work at the DAISY Consortium.

>> Joseph Polizzotto: Hello, I'm the alternative media supervisor at UC Berkeley.

>> Richard Orme: Okay. We will do a quick refresh about the WordToEPUB tool and provide a summary of the supported EPUB features that you have with an EPUB generated by the tool.

We will spend most of the time updating you on what's new on the tool and give you a bit of a flavor about what's coming soon and there will be time for Q&A. We have a lot of slides to get through. We will be showing you lots and lots of screen shots. Feel free to put your questions into the Q&A and we will answer as many of them as we go through using the Q&A feature and provide the text interactions to you as part of the resources.

Okay. So a quick refresh then. WordToEPUB is a piece of software that is free for you to download and use. Currently it's available on windows only. The EPUB's you create with WordToEPUB will work on any platform in any reading app. You start with an accessible structured Word document and with this you can create a beautiful EPUB.

The tool is designed so it's really simple to use, if that's how you want to use it. It has a simple mode. It also has an advanced mode which give you many options to create many EPUBs and have control on the visual presentations.

The tools been localized into many languages including Finish. Thank you Kirsi.

Let's look at how to use the tool. Here we will see an example from using it from the Word ribbon. I'm looking at a screen shot within a Word document within Microsoft Word. WordToEPUB works in a range of different versions of Word. We test it going back to Word version 2010 on windows 7.

Once I save my document, I can click on the WordToEPUB and it starts a dialogue. Here it provides me with a suggested file name and location for where the EPUB will be saved. I can do different things such as change the destination folder, change preferences. I'm going to click on the okay button. It creates the EPUB for me. When it's been converted I have the opportunity to view the EPUB, to open in the default reading app, to open the folder where the EPUB has been created or just to finish the dialogue there and then.

So, one, two, three clicks you have an accessible EPUB assuming you started with a good Word document.

That EPUB you can load on to a tablet or a smart phone. You can take it and put it on a Mac. I loaded it into the book shelf app from vital source. Here it is sitting in my collection of books and I can click on this and read it and have all the advantages of doing visual adjustments, great navigation features, the read aloud and so on.

Lots of different features of EPUB are supported by the tool. Great navigation, super semantics so a person knows when they are entering and exiting from list and so on. As you expect from something from the DAISY Consortium we pay a lot of attention to building accessibility features in. We have images and the appropriate markup of images, mark up of tables and include math as math ML. There's features that make it a pleasant tool for you to use and helpful for users with other needs. For example, you can add helpful cover image, you can adjust the style sheets, you can enter great metadata and as you will see in today's session you have the opportunity to export your publication as a HTML document.

So that is the quick recap of the tool. It is being used by university format departments around the world. Joseph is here today as one of those. Tell us how you use WordToEPUB at UC Berkeley.

>> Joseph Polizzotto: We create EPUBs for students who need more accessible document than say Microsoft Word document or PDF. As many of you know, the EPUB specification allows for lots of rich semantic markup such as marking block quotes, asides. Many of the page numbers. So when we need to create more accessible document, we use the WordToEPUB tool to create the EPUB. As Richard mentioned, all of these features that are in WordToEPUB tool create a very rich accessible experience for students, and while there are other tools out there that can create EPUBs but there's nothing quite like WordToEPUB in terms of how it can output accessible EPUB documents.

Also it's very flexible for our needs. So we at UC Berkeley use a custom style sheet that we've created that has the type of fonts and colors that help us to look at our documents and make sure that the EPUBs are created according to our standard. We also can apply our UC Berkeley logo to the cover image. So we can take some unique approaches.

>> Richard Orme: Thank you for telling us how you use it where you are. I look forward to your comments and adding experiences to showing people new features. On a previous webinar we were joined by Nancy who works for a specialist service creating accessible school text books across Canada. That's another use case for it for younger education level. It is used by non‑profit organizations that are created accessible books in regions of the world such as Latin America, Africa, Southeast Asian. Government and other public bodies are using it to make accessible versions of reports and other publications they are producing and self‑publishing authors are using it to create e‑books for distribution.

So here are examples of people using the tool.

So, as I mentioned, we are going to spend a lot of time updating you on what's new. We are going to cover the new style sheet that's been added, some of the language detection, we are going to talk about some of the new options for page numbering, critical feature that people value very highly in EPUBs. The optional metadata summary page. And then some workflow steps. If you are working in a department that is using the tool or considering using the tool, this part of the webinar might be especially useful to you to do post‑production tweaks using the Sigil tool and use the quality assurance wizard that's built in making it a one stop solution to go from a web processor to a finished file. Then we will do a final stop looking at how to generate clean HTML with this tool as well.

So, let's start to mention the new default style sheet has been introduced into 1.05 released this month because previously ‑‑ we provided a range of different CSS files in the tool. And advanced users such as the folk at UC Berkeley and PRCVI have tweaked the style sheets but the experience out of the box some people felt the visual presentation could be better. We have done work on that supported by users in France for example to improve that experience. If you are using the tool at the moment and even if you up grade, it will continue to use your default style sheet.

So in order to switch over, you need to after you started the tool, click on the button that is advanced mode. Then in the tab of the advance settings that are opened up, you would move to EPUB options and you would make the change so that the CSS file is set to default.CSS. If you want to make this change in a way that you don't need to make this alteration every time you generate an EPUB then you go to preferences and set it as the default preference.

What's in the default CSS? It is set so that justification is an option in your EPUB reader. Previously it looks like you didn't get the chance to choose between justified or what I call right ragged, left justified text. Now it's a setting open to you in your EPUB reader. Some people prefer to have right justification text.

Previously if you had reference numbers for maybe an end note, these were the same size at the other text. The convention in print is that this is superscript. So that's been added into the style sheet. On the screen shot here there are a number of reference numbers they appear as superscript and underlined and indicate they are a link to take you to the end note. There's improved paragraph spacing, and the heading formatting is improved as well.

So, out of the box for a new installation you will have the default CSS, but you need to go and switch over to it if you are already using the tool.

Next item is the faster and more reliable language detection. Within your Word document it's possible to set the language being used ‑‑ they refer to it as the proofing language. In many countries in many educational materials you might have a publication that switches between languages. Here we have a document that's in French and there's some Spanish language in there too. This is a screen shot of this document being edited in Word. We see the currently selected language shown on the status bar. This is French and as I move to the Spanish text it switches to Spanish. WordToEPUB uses the mark up to introduce that in the EPUB and the HTML as well. So if the languages are set incorrectly then they will appear incorrectly in the EPUB that's generated of course.

So we can see this in action. Here the read aloud is reading this document to me in French.

[Reading in French].

Now when it reaches the Spanish tex.

[Reading in Spanish].

[Reading in French].

>> Richard Orme: So what you need to do in this case you don't need to do anything specifically, but you need to make sure you have the correct languages set in your Word document. It should be obvious because it will give you spelling errors if you have the wrong language set. Then the WordToEPUB tool will with better algorithms now give you more reliable language detection so you get a better experience with read aloud or with a screen reader.

>> Joseph Polizzotto: For those of your users who are not blind or visually impaired and would like a very rich experience of using read aloud for multilingual books, the EPUB format is really the way to go because of just this feature that Richard was highlighting. You have the ability to mark up the languages using the proper tags for different languages. So the student will end up hearing the proper pronunciation of words when you get to the other language content. That's an advance for many of the users of assistive technology who are not blind or visually impaired who use a program that can do that.

>> Richard Orme: Thank you, Joseph. One of the things people are excited about with EPUB is the page navigation. That may sound kind of basic and obvious but in fact if you are in a PDF or Word document and you say that you want to go to page 50, it will take you to the 50th page in the document, not necessarily page 50 of the print publication. So with WordToEPUB and EPUB you are able to align the page numbering with the original print document. So if the professor says turn to page 500, you will go to exactly page 500 as it was in the print document or if you want to cite a piece of text to make a reference and refer to what page that was you know you are getting it right.

Often that page break up is shown invisibly within the EPUB, but one of the requests is that people like to see the page number in the open. So it's actually part of the text of the EPUB. We see this in some of the text books that are submitted by publishers to the publishers face off. It has to be done a little bit with care.

A couple things on page mark up. Golly, so many of these different places that are created accessible documents have their own techniques to indicate where page breaks are and based on the requests we have there are lots of different ways to detect where the page breaks are in order to mark them thin EPUB so it can be from the Word document, from the headers and footers in the Word document, it can be styled as heading level 6 which I think is the technique Joseph uses at UC Berkeley. Some folk use page number daisy which is a style they create themselves. So that's using a technique that goes back some years. It's great for documents that people have produced before. In some places they actually mark the page number using the text print page and the number itself. The tool will use these different markup techniques to identify where the page breaks happen and what the page number is. Then you have the option of however you include the page numbers of how you then represent these in the EPUB. One option is that you can include visual page numbers and you can insert text so it's not just a number but there's text that precedes the number and follows it. So you could have the text that says print page number and a space. So every page break it would say print page number 1, print page number 2 for example. Another option you can experiment with is adding styling. Here I added HTML styling which puts a boarder with curved edges, and I colored it green and included the Word page. I put that in the span so when that is created in the EPUB, I have quite a pleasant page break where it says page 8 and has a green circle or boarder around it. You need to use a feature like this with some care depending on how you get the page numbers and whether they occur in a middle of a paragraph and so on. Here are more options that allow you to be creative with the EPUBs that you are producing for your learners because some people might like to see where those page breaks are if they are a visual reader or they might like to hear them if they are using text‑to‑speech or a screen reader.

WordToEPUB includes the ability to edit the metadata. So the metadata is where you can include information such as the title, the subtitle, the creator, the publisher, ISBN about an EPUB title. That's good practice for if you are going to include these publications in a catalog or repository. It will mean you have the ability to do searching. One request we had was to make this information the title more discoverable within the reading system itself. So there's the optional ability to include a metadata summary page at the end of the EPUB. This can be enabled in the advanced settings on the metadata tab there's a check box there which is add metadata page at the end of the EPUB. This provides an extra file there which is information about this digital version. It has structure to it. It has headings and makes it easy to see what metadata has been provided. Here we see the publisher is the university of war wick, it tells us the languages and I see from this that polish is included. So something has gone wrong. It's taken the ‑‑ Word has seen the name of the lead author which is a Polish name and detected that as a Polish word. That's an extra feature there to detect which languages have been detected and put that right in my Word document. And it includes the accessibility summary which you are able to edit. Not useful for everyone but useful for some to use this discoverable metadata in the EPUB itself.

Okay, next we are going to move to work flow steps. As I said, these will be useful if you have a department creating these or if you are wanting to customize and further enhance the EPUB's. So you are using WordToEPUB to do the heavy lifting, but you want to do additional work within it. Our goal is to enable people to use the tool. Some people say they like to tweak the EPUB with an EPUB editing tool. One of the most popular ones is Sigil. It's free to download. So you are able to go within Word, create your EPUB using the ribbon tool bar button that we showed earlier and we can turn on this option to suggest Sigil after conversion. So we do this by going into the WordToEPUB preferences on the user interface options we check the box that says suggest Sigil after conversion.

So, once the conversion has happened, we get an extra button that says edit EPUB with Sigil, or you can close out the dialogue or move to the next step. If you click on that, it will open the EPUB in Sigil and you will be able to edit it. So maybe a useful workflow step.

Another one then is this new quality assurance wizard. You can generate your EPUB but within preferences user interface options there's a check box which is the quality assurance wizard. If you check that box once you generate your EPUB you have the option to start the quality assurance wizard or just to end the process there. If you choose start quality assurance wizard, it gives you four steps with a helpful explanatory text of what you might want to do at that particular step. Here we are at step 1 which is to validate the file with EPUB checker. It tells you about EPUB checker and tells you what to do when you launch the tool and if you don't have the EPUB checker, it will discover you don't have it and it will help you download it and install it. If we click on launch EPUB checker, it will run for me. It runs the checker and the screen turns green and it tells me no errors or warnings. The EPUB is valid. That's the first step in this QA check wizard.

The next step when I click on next is to launch Ace. Again, as this is step 2 of this, it gives me an explain about Ace by DAISY being a free tool. It tells me what to do if there are issues. Just like EPUB checker if I don't have it downloaded, it will help me download it. Click on it and it will launch Ace. It will give me a summary of the violations, I can check that the metadata has gone in there, I can view outlines and so on. On the EPUB I generated here it's telling me that I have a moderate issue in terms of best practice. So if I were to click on the outlines tab I can see that there was a missing heading H2. I don't want to fix that in the EPUB. I want to fix that in the Word document and go through the process again. It might find that Ace finds another error in which case we follow the appropriate instructions. Ace by DAISY has a knowledge base in there as well which we are able to dig deeper if we want to. Hopefully we find that we have no issues at all with this Ace check.

So we can move to the next stage in the quality assurance wizard. And the next stage is to launch your EPUB in a reading app. This is important because it's impossible to perform a complete evaluation using automated tools fully. We want to do manual testing. In this step this will help you launch the EPUB you created using the thorium reader app. It gives you suggestions of things you want to check out within the app itself. So does the table of contents look right, can you navigate around it, as you move around the publication is the experience smooth, check out the page navigation, math expressions and so on.

So clicking on that launch thorium reader would launch the thorium app. So we would move to the next stage which is to open the folder. You may need to do that if you need to take it and copy it to another drive or USB stick. Those are the quality assurance wizard steps. You can go backwards and forwards through those. If you are producing EPUB in a production environment and you want to support maybe some of the folk doing that with clear direction of steps to take, I hope you might find that this quality assurance wizard is helpful in doing that. As I mentioned, you need to switch on the quality assurance wizard to appear.

Lastly in this tour of what's new, let's show you the new process which is you can generate HTML with WordToEPUB.

How do we do that? Back to that familiar place which is the WordToEPUB preferences dialogue. In here in user interface options there's the check box which is to offer other output formats. We want to check that on in order for this to be there for us as well.

What this does is in the advanced pane that opens up if you click on advanced mode in addition to the tabs for metadata, cover image, EPUB options, page numbers, math and headings report, a new tab appears which is other outputs. Currently there's only one other output offered, and this is for HTML. The text reads that if your document is short, you may want to create an HTML version. Joseph, I think this is something that you produce at UC Berkeley. Do you want to give us a couple examples of where and why you might produce HTML rather than EPUB?

>> Joseph Polizzotto: Sure. At UC Berkeley many of the files we are converting for our students are not entire books but are articles, journal articles that professors have posted to their online course. So they are relatively short. In situations like that, HTML is a nice option as well for students. While EPUB is a great format and has all of the accessibility features that we have been talking about, EPUB is based upon HTML. So providing students with an HTML version of a journal article or a segment of a book will provide students with the same types of accessibility experience that they've encountered in EPUB. So with these shorter documents that we are converting we convert to HTML and we like the option of converting for some of our students who are more familiar with navigating webpages and haven't yet made the transition to reading EPUBs in a reading system. Reading HTML files is very easy. You don't need a particular app. You can just open up the HTML file in the web browser. If you are a screen reader user, you can go to the same places on the page and use the same keyboard short‑cuts when navigating a webpage.

>> Richard Orme: So Joseph what you don't have is in your EPUB reader you have your table of contents as part of your app to be able to go to a specific bit, but I guess that's relevant if you are dealing with a part of a publication and you don't have the page navigation either. That's currently not implemented, and we haven't thought about how that would be done within the HTML export, but I think we could probably be creative with that. You don't quite have the same level of controls over visual adjustments because an EPUB reader will give you an opportunity to change the font, change the colors and margins. A browser doesn't typically offer you those features. Did I get that right.

>> Joseph Polizzotto: That's right. They are not identical formats in terms of all of the features, but in the under liar semantic level the ability to display math content properly and the ability to have students to ‑‑ for students to hear different languages pronounced correctly those are there. So some of the semantic content that we have been talking about that is available in EPUB is indeed available in standalone HTML files. Depending on the needs of the student ‑‑ I'm thinking specifically for our students who are blind or visually impaired, HTML sometimes is an option that works better for them. So it's just about finding the needs and learning what the needs are.

>> Richard Orme: Horses for courses is a phrase I would use. This can be read in any browser. There is a Save As HTML within Word and Save As Refined HTML. It works but I would say the HTML from this tool is clean HTML. It's not cluttered and has lots more semantic support. So we have the language mark up as you mentioned and support for features that are supported by WordToEPUB such as citations and block notes. It will do some image conversions and so on. We have got the advantage of math support too. If there's math in your publication that is written out as math ML. So if we were in this case ‑‑ the screen shot is of me converting quite a complex Word document with lots of math in it. I've gone to that tab; the other outputs and I have that button create HTML version. If I click on that, the tool runs. It gives me the information. So in this case it tells me there were 268 Microsoft math equations in here. It took 8 seconds to do this. It's just 20 pages or so. One of the options is view HTML. If you click on that it would open that in the browser. Here we are thin browser looking at that document. I'm using math Jacks here to use the keyboard navigation of this math expression. It's reading this aloud and doing visual highlighting. Depending on the tools you use, what you and your students if you are working in a university are using, the HTML is a neat additional thing that now comes with WordToEPUB. So that's a little bit of a roundup of the new features that we wanted to highlight that have been added to WordToEPUB over the last few months. The features that are being built in are those that are requested by our users and they say are important to them. So this is a good opportunity to thank those organizations and individuals that are sending in reports because there are bugs often in software which we are able to squash and feature requests and giving us encouragement with the tool and that's just great to hear from them. So thanks for that extended team.

We are going to move next to what's coming soon, but I don't know if Kirsi if there are questions cued up on what we have covered so far, or do we want to cover the next section or if Joseph wants to add.

>> Kirsi Ylänne: Joseph has been answering if of the questions. One question in the beginning is WordToEPUB available for the cloud version of Word 365?

>> Richard Orme: The short answer is no. Currently it's a desk top app only. I haven't seen what questions are here but usually the first question is when’s the version for the Mac is coming? Maybe next year. I hope that we will have something during 2021 to offer to people who are using the online version of Word and the Mac version of Word. It's not something that will come quickly but I hope it will be available next year.

>> Kirsi Ylänne: Is a common line version in the plan?

>> Richard Orme: It is in the plan. Thank you for the question.

>> Kirsi Ylänne: There's one question about the update that if you use the word blocking will it update automatically?

>> Richard Orme: Yes by default it will check for updates and you can turn that off if there's a security thing or you don't want your tool ‑‑ it's rude to make your tool to check without asking. Also within preferences you can force it to go and look for an update. Whether you are using as a standalone tool but it's possible to run the tool from the desk top and browse for the Word document you want to convert, or you can select lots of documents or you can use windows explorer, find a Word document, right click and convert it from the menu that pops up there. In all of these different ways you can update the tool. It will quickly update its self and the next time you run it will be the next version.

>> Kirsi Ylänne: Let's take more questions a little bit later.

>> Richard Orme: Great. I didn't give Joseph a chance. Anything you want to add to the stuff we have talked about?

>> Joseph Polizzotto: Feel free to proceed.

>> Richard Orme: Great. Thank you for those questions. Coming soon then. Maybe I should say coming in the future. I've told you we have done work on the style sheet, but the team is working on improving the style sheet approach. Maybe taking a method that allows you to add to different options, including the ability to embed a font. So right now you are able to choose a particular style sheet that is the [inaudible] from the braille institute. It's a font I really like and that's been developed for people with low vision. Other fonts exist. So, APH have A font. There's Teresia [Unsure of spelling] there's fonts in other countries that do better support for accessing characters. [Inaudible] is the font used in France. Or there could be fonts you prefer to use. We are going to do work on the section that allows you to build up the style sheet and choose to include embodied fonts in the EPUB that you create.

The second area that will be coming soon is the ability to have content in a details tag which is expandable. This is interesting because it's one of the new recommended best practices for extended descriptions. If you were on the webinar last week, or if you viewed that, you would have seen great examples of how extended descriptions can go beyond alt text and sometimes that's necessary in some of the images we were looking at last week like infographics and maps and charts and so on.

One of the techniques is you use rich markuped content for an image but is held in a collapsed element so it will say extended description here and by selecting that it expands it for someone who wants to have that to be able to experience the extended description. So supported for expandable details is coming soon. This might be useful if you have instructional materials with questions and answers and those sorts of things. So some of the wonderful features of HTML and EPUB will be supported within the tool which aren't naturally supported within a Word document of course.

And it's been requested many times. Whilst there is support for office math in there ‑‑ you can use the Word equation editor to build up math expressions this will be written as mathML, many people are using mathtype as a way to build up their math expressions. It's a more mature tool and has more features and it's supported by [inaudible] braille translator. Right now those expressions are ignored by WordToEPUB, but we are working on support for mathtype. We are more than half way there. So expect that maybe in the next release we will have support for mathtype built into the tool and you just need to click your buttons to create your EPUB and that will turn into wonderful mathML.

So here are examples of what's coming soon, but you can add to this list if you have suggestions or requests as to what is missing or what would be helpful to you by dropping us a line at WordToEPUB @ DAISY.org. If we see a number of requests coming in for the same feature and we think it's something we can do, we would love to get into conversation with you about what exactly that should look like and see if we can get that built into the tool. So that's a little round up of what's coming soon, and I guess we can now cover any other questions that we haven't got to yet.

>> Kirsi Ylänne: Thank you, Richard. There are a lot of questions and Joseph has been answering them but one question from Bill, how does WordToEPUB and the HTML output handle tables?

>> Richard Orme: So it handles them as simple marked up tables. I'm not so happy with it because it assumes that the first row is a header row. And so if you are using a screen reader that's a nice feature as long as it's a header row. If you move to a cell it will announce the column header and you can request that with your screen reader as well. It's not supporting row headers because that is not a feature that exists within Word. You can mark the first row of a table that should be repeated on every page. So as I said, right now it assumes that the first row of any table is header row. We have a feature request which is that we detect whether the table is set up like that and only set the first row as the header row. The other thing about tables is that merge cells don't work so well generally. So it will generate a warning for the user at the end of the EPUB production if there are merge cells and tables detected and maybe someone will think I've got an issue with that. These are picked up as a warner in the Word accessibility checker. Joseph, I think you do some extra treatments with tables in your production side of things. That's a description of what's in the tool right now. It's the same for EPUB or HTML. Maybe there's other things that need to be done at the production side of things or feature request coming from you, Joseph.

>> Joseph Polizzotto: Sure. This speaks to Thomas' question about inserting tags in the EPUB. As Richard mentioned, there are some things like tables that can be problematic sometimes when outputting to EPUB that you will want to clean up in your post‑production step. Using Sigil is a great way to do that, especially with the quality assurance wizard that Richard was talking about. In our use case at UC Berkeley when we try to address these issues with complex tables or sometimes fancy formatting that's not outputted to our expectations to the EPUB or HTML document, what we do is we have a script that we use to run through the EPUB or the HTML file and replace tags that we inserted in the Word mark up in the place of, like, the parent column header or row header. It finds those tags and replace them with the correct HTML markup. So scope equals row attribute or the proper formatting for dashed underline or something like this. So that's the technique we are using now for ensuring that all of the semantic content is transferred from the Word document to the HTML file, the EPUB document when the WordToEPUB tool currently doesn't support a particular feature. As Richard mentioned, I recommend that you make a feature request for support of any semantic markup that WordToEPUB currently is not outputting to EPUB. As these types of issues are well‑known and with the added support or added request for this kind of feature or support, I'm sure we will get around to adding that support soon. Wouldn't you say, Richard?

>> Richard Orme: Let's see how big they are.

>> Kirsi Ylänne: Okay. Is it possible to insert landmarks in the EPUB navigation on WordToEPUB?

>> Richard Orme: So right now there is some code in the tool that does do some landmark. I think at the start of the publication, maybe the table of contents or something like that. I think if we have specific examples of what those could be and how it is done within Word itself then we can go back and forth about how that might be included within the tool. So it's basic at the moment. There's just a couple. The code is there and ready to accept inserting landmarks.

>> Kirsi Ylänne: Thank you. Ken is asking will the embedded fonts be specified in the CSS or in the Word document?

>> Richard Orme: Not in the Word document. It's a combination. The CSS will need to reference the font, and at the moment it's a [inaudible] in the tool that if the user is selecting the low vision CSS then the code adds the font files into the EPUB itself. So I would assume that as part of selecting a font that would trigger some changes in the CSS so that the font is selectable and also within at those font files in the appropriate folder. If ken wanted to help us get that feature right, it would be lovely to get your thoughts.

>> Kirsi Ylänne: David is asking will it support video, audio, animation gifs?

>> Richard Orme: Animation GIF's yes. We did a nice workshop and included animated GIF's of the titanic sinking. We looked at the animation of the ship sinking with the different times and so on. Audio we have done experimentation with that and we could see that as an interesting feature. Video we haven't even touched that yet. So if we can see the use case and have explained how it will be implemented, I could see support for audio, little descriptions and teachers notes would be a nice feature.

>> Kirsi Ylänne: Thank you. I think we have at least time for one more question from Bruce. Are Word table summaries converted to HTML table captions?

>> Richard Orme: I'm not sure I understand the question.

>> Joseph Polizzotto: In Microsoft Word there's a feature to add a summary and output to the caption HTML.

>> Richard Orme: I didn't even know that existed. That sounds interesting. I notice a comment from Presca about having a problem with underlines and italics and doing that right through the publication. It could be that's a bug. So there's a bug with artifacts. Try the latest version. There's a bug fix of random bold and italic text. That should be fixed in the latest version.

>> Kirsi Ylänne: Thank you Richard and Joseph for answering many questions. We didn't have time to go through all out loud.  
OK, I can see that our time is nearly up and we are coming to the end of this session.   
A big thank you to Joseph and Richard for sharing such good information with us today.   
During 2020 the DAISY Consortium has been running webinars on the topic of accessible publishing and reading. These webinars have been attended by people in 56 countries all around the world, with individuals making time to join us at all hours of the day and night, with a total of over 3,000 participant hours from the 20 webinars.   
Many more people have been able to access to the lasting resources from the webinars, all the recordings, transcripts and presentation slides and summary notes, which are published after every session.   
The previous webinars are all available on the DAISY website, so do head there to check out the back catalogue! It really is a treasure trove of resources. The DAISY webinar team are already planning sessions for 2021 and are keen to hear from you. If you would like to suggest a subject for a future webinar, or volunteer as a webinar presenter, then please email the team at webinars@daisy.org I hope you   
will join us again soon. In the meantime, thank you for your time, stay safe and well and have a wonderful rest of your day. Good bye!