

Advanced Accessible PDF Techniques

The Accessible Technology Webinar Series is sponsored by the Great Lakes ADA Center and the Pacific ADA Center, both members of the ADA National Network.

•The Session begins at 1:00 pm CST
•We will be testing audio quality periodically

The content and materials of this training cannot be used or distributed without permission. This training is funded under award #H133A060097 from the U.S. Department of Education through the auspices of the National Institute on Disability and Rehabilitation Research (NIDRR. For permission to use training content or obtain copies of materials used as part of this program please contact us by email at adata@adagreatlakes.org or toll free (800) 949-4232 (V/TTY) in IL, IN, MI, MN, OH, and WI. For other all other states call (312) 413-1407

1

Webinar Features

- Closed captioning click CC icon (located in the Audio/Video Panel) or control-F8 (command-F8) and adjust your screen.
- Questions Type your message into the chat area that appears. The question will be viewed
 by all moderators. (Keyboard F6, Arrow up or down to locate "Great Lakes" and select to
 send a message)
- Customize your view You can change the size and location of any of the panels (Chat, etc.)
 by hovering your mouse over the _____ icon at the right of each panel and select "Detach Panel". Each panel can be repositioned and resized.
- Please do not use emoticons or hand-raising features during this session

Advanced Accessible PDF Techniques: Forms & Tables

Christy Blew, M.S., C.C.T.

IT Accessibility Specialist

University of Illinois

3

PDF?

- Created in 1993, is used for representing twodimensional documents in a manner independent of the application software, hardware, and operating system.
- Key element scalable
- Not natively accessible

How We Acquire PDF

- Scan from print document
- Save As/Convert to PDF from program
- Print to PDF from program
- Just receive a PDF no access to original document

5

Basic PDF Accessibility

- Text vs. Image
- Tags
- Heading Structure
- Alt Text/Text Descriptions
- Reading Order

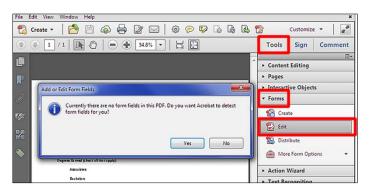
Advanced PDF

Forms

- Tooltips are what make these accessible Data Tables
- Use the Tags panel to check if cells are marked up with TD and TH correctly

7

FORMS



- Tools > Forms > Edit
- Auto-detect based on form

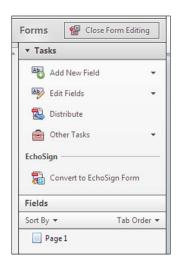
Form Elements

- Text Fields Fill in the blank
- Check Boxes Select one or more options
- Radio Boxes Select only one from multiple options

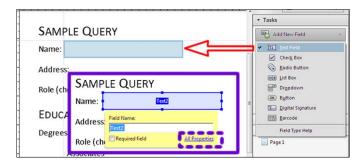
9

Form Editing Mode

- Add Fields
- Edit Fields
- Close Editor



Add a Field

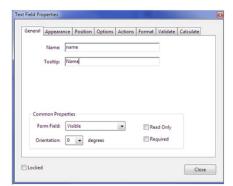


- Add New Field
- Place Field
- Enter (visually will change)
- Select ALL PROPERTIES

11

Tooltips

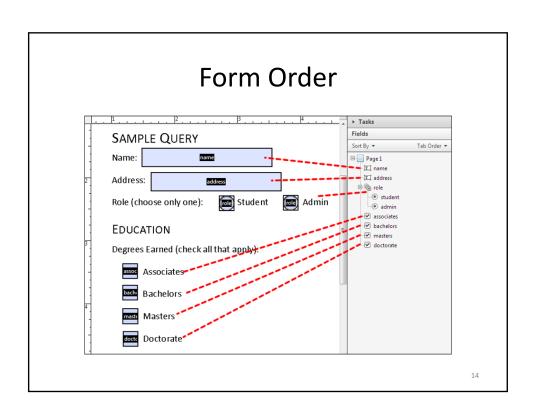
- Assistive Technology identifies form fields via tooltip
- Make sure tooltip notes what needs to be completed
- Sometimes may need to put a full question in a tooltip



Checking Tooltips

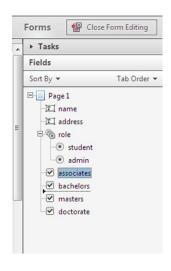
- Check in the properties box in the Form Editing Mode
- Hover mouse over form element in reading mode





Change Form Tab Order

- Drag and Drop
- Match order to logical reading order of document



15

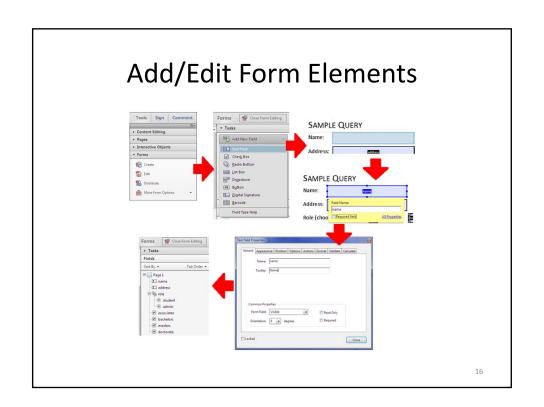


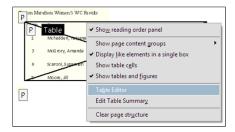
Table Rules

- All tables must have at least one heading row
- Tables with a heading row and heading column must use ID's to identify cells

17

Table Editor

- Activate Touch Up Reading Order Panel
- Table elements show with "X" through them
- Right click on table
- Select Table Editor



Identifying Cell Types

- Cells will highlight
- Color coded based on cell type
- Select cell, right click, to open properties
- Change cell type here
- Change colors in Table Editor Options



19

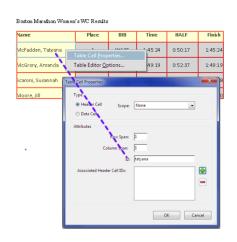
Change to Header Cell

- Select cells to change
- Select Table Cell Properties
- Change to Header Cell



Assigning and ID to TH

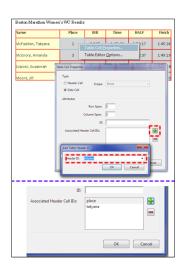
- Each TH cell must have an unique ID assigned to it
- Enter this in the ID field in the properties
- Use identifiable words for ID



21

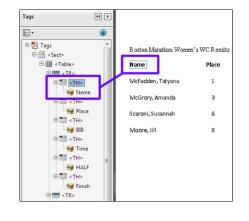
Associate TD with TH

- Assistive technology uses the ID's to associate the TD cells
- In Properties, select the "+" to show all available IDs
- Select the ID's that correspond to that cell



Check Table in Tags

- Double Check Table in Tags Panel
- TH vs TD
- Correct # of cells
- Complex Table Check



23

Complex Tables

Merged cells

Gender	Na me	Time	HALF	Finish
	Kim, Gyu Dae	1:35:59	0:44:11	1:35:59
	George, Josh	1:37:41	0:46:43	1:37:41
	Pike, Aaron	1:39:13	0:46:11	1:39:13
	Senbeta, James	1:44:41	0:49:28	1:44:41
Men	Bleakney, Adam	1:45:57	0:49:26	1:45:57
	Siemann, Brian	1:49:14	0:51:37	1:49:14
	Park, Peter	1:54:31	0:53:22	1:54:31
	Kozarek, Robert	1:54:50	0:53:23	1:54:50
	Grass i, David	2:00:47	0:55:32	2:00:47
	Martin, Raymond	2:01:29	0:55:39	2:01:29
	R py, Laurence	2:15:14	1:03:24	2:15:14
Women	McFadden, Tatyana	1:45:24	0:50:17	1:45:24
	McGrory, Amanda	1:49:19	0:52:37	1:49:19
	Scaroni, Susannah	1:53:28	0:52:58	1:53:28
ŀ	Maare, Jill	2:26:20	1:04:47	2:26:20

Does not seem to match up

3ender	Na me	Time	HALF	Finish
	Kim, Gyu Dae	1:35:59	0:44:11	1:35:5
	George, Josh	1:37:41	0:46:43	1:37:4
	Pike, Aaron	1:39:13	0:46:11	1:39:1
	Senbeta, James	1:44:41	0:49:28	1:44:4
	Bleakney, Adam	1:45:57	0:49:26	1:45:5
Men	Siemann, Brian	1:49:14	0:51:37	1:49:1
	Park, Peter	1:54:31	0:53:22	1:54:3
	Kozarek, Robert	1:54:50	0:53:23	1:54:5
	Grassi, David	2:00:47	0:55:32	2:00:4
	Martin, Raymond	2:01:29	0:55:39	2:01:2
	R by, Laurence	2:15:14	1:03:24	2:15:1
	McFadden, Tatyana	1:45:24	0:50:17	1:45:2
Wumen	McGrory, Amanda	1:49:19	0:52:37	1:49:1
	Scaroni, Susannah	1:53:28	0:52:58	1:53:2
	Moore, Jill	2:26:20	1:04:47	2:26:2

Fixing Complex Tables

Retagging gets close

Gender	Na me	Time	HALF	Finish
Men	Kim, Gyu Dae	1:35:59	0:44:11	1:35:59
	George, Josh	1:37:41	0:46:43	1:37:41
	Pike, Aaron	1:39:13	0:46:11	1:39:13
	Senbeta, James	1:44:41	0:49:28	1:44:41
	Bleakney, Adam	1:45:57	0:49:26	1:45:57
	Siemann, Brian	1:49:14	0:51:37	1:49:14
	Park, Peter	1:54:31	0:53:22	1:54:31
	Kozarek, Robert	1:54:50	0:53:23	1:54:50
	Grassi, David	2:00:47	0:55:32	2:00:47
	Martin, Raymond	2:01:29	0:55:39	2:01:29
	R py, Laurence	2:15:14	1:03:24	2:15:14
Women	McFadden, Tatyana	1:45:24	0:50:17	1:45:24
	McGrory, Amanda	1:49:19	0:52:37	1:49:19
	Scaroni, Susannah	1:53:28	0:52:58	1:53:28
	Moore, Jill	2:26:20	1:04:47	2:26:20

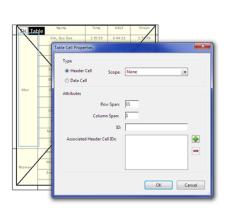
Compare to Tags to clean up

3ender	Na me	Time	HALF	Finish
Men	Kim, Gyu Dae	1:35:59	0:44:11	1:35:5
	George, Josh	1:37:41	0:46:43	1:37:4
	Pike, Aaron	1:39:13	0:46:11	1:39:1
	Senbeta, James	1:44:41	0:49:28	1:44:4
	Bleakney, Adam	1:45:57	0:49:26	1:45:5
	Siemann, Brian	1:49:14	0:51:37	1:49:1
	Park, Peter	1:54:31	0:53:22	1:54:3
	Kazarek, Robert	1:54:50	0:53:23	1:54:5
	Grassi, David	2:00:47	0:55:32	2:00:4
	Martin, Raymond	2:01:29	0:55:39	2:01:2
	R by, Laurence	2:15:14	1:03:24	2:15:1
Women	McFadden, Tatyana	1:45:24	0:50:17	1:45:2
	McGrory, Amanda	1:49:19	0:52:37	1:49:1
	Scaroni, Susannah	1:53:28	0:52:58	1:53:2
	Moore, Jill	2:26:20	1:04:47	2:26:2

25

Merged Cells

 Merged cells are set up in the Row/Column Span boxes in the properties



Don't Get Discouraged

- Yes, it may take extra time to figure out
- Yes, you may have to do it more than once
- Yes, you may use inappropriate language
- BUT
- YOU CAN DO IT!



27

Thank you!

Christy Blew, M.S., C.C.T.

IT Accessibility Specialist University of Illinois at Urbana Champaign

clblew@illinois.edu





Thank you for participating!

WATCH FOR THE ACCESSIBLE TECHNOLOGY
WEBINAR SERIES IN 2014

The session today was recorded and will be archived at

http://www.adaaudio.org/Webinar/AccessibleTechnology/