Question Upload Automation

This script takes the data from a collaboratively authored document and formats it in a Google Sheet so that the data is instantly ready for final review, download as a csv, and upload to the organization's Learning Management System (LMS).

It saves question authoring staff from copying and pasting almost every field of 70 tables (~90 pages) from this document into a Google Sheet manually (a time commitment of multiple hours and prone to errors)

The script locates table pairs by the strings "Question ID" and "Vignette", then reads their contents, processes the text to meet upload requirements, and places each table pairing in a single row of the Upload Sheet used to enter this into the LMS. It is left as a Google Sheet to allow Assessment staff to review any errors and make final checks prior to upload.

The script only inserts the question if its status is 'Finalized'. The script formats some text to reduce upload errors. In that interest, it strips out bullet points, takes only Teaching Point titles, checks that the correct answer matches its partner string located in the distractor choices, and checks whether multiple learning objectives are found. If the checks are not passed, the row is colored and the erroneous cell highlighted.

Item 1 has been formatted to show you the error identification when a match isn't found for Correct Answer in distractors.

1

Question ID	Clinical Specialization 01
Author	Pryor
Link to Case	http://placeholder-link.com
Link to Case Summary	http://placeholder-link.com/redirect-to-pdf
Teaching Point	**Title for a Teaching Point** **Body Text** • Lorem ipsum dolor • Lorem ipsum dolor
Learning Objective	• A bullet pointed learning objective ending in a period.

Vignette:	A story of a patient who presented to a clinical location. Here a reader may learn about the patient history and results of a physical examination.
Lead-in:	What is the question stem?

Correct Answer:	The Correct Answer
Choice A:	Alphabetical distractor 1
Choice B:	Alphabetical distractor 2
Choice C:	The Correct Answer but typed incorrectly
Choice D:	Alphabetical distractor 4
Choice E:	Alphabetical distractor 5
Image:	A place to put an image unused by our script
To Add/Change an Image:	Another field unused by our script
Body System: Choose 1	___ Allergy/Immune/Infection ___ Cardiovascular ___ Endocrine ___ Female Reproductive & Breast ___ Gastrointestinal ___ Head & Neck ___ Health & Wellness ___ Hematopoietic ___ Male Reproductive ___ Metabolic & Nutrition ___ Mind & Behavioral ___ Musculoskeletal ___ Nervous ___ Renal & Urinary _x__ Respiratory ___ Skin & Connective Tissue ___ No Body System
Clinical Focus: Choose 1	_x__ Diagnosis ___ Course of Illness ___ Further Work Up ___ Management ___ Prevention
Clinical Location: Choose 1	___ Emergency department ___ Inpatient/hospital __x_ Outpatient clinic/urgent care ___ Other
Answer Explanation:	"The Correct Answer" is correct because we planned it that way. The alphabetical distractors were merely there to distract you - I guess it worked

Question Status	_x__ Finalized ___ Tabled ___ Scrapped

<mark>Item 2 is formatted correctly and will return a clean, uncolored row for the output.</mark>

2

Question ID	Clinical Specialization 02
Author	Wilder
Link to Case	http://placeholder-link.com
Link to Case Summary	http://placeholder-link.com/redirect-to-pdf
Teaching Point	**Another Teaching Point Title** • **A** mnemonic • **B**ordering on absurdity • **C**ourting disaster • **D**riving away from the point Let's explain more!
Learning Objective	• This learning objective also ends in a period.

Vignette:	A compelling story about a former ship captain who was lost on an island with a cast of characters. Ironically, the island wasn't named after the skipper.
Lead-in:	What question should we ask?
Correct Answer:	The correct answer pt.2
Choice A:	A distractor
Choice B:	Another distractor
Choice C:	Gosh why so many distractors
Choice D:	The correct answer pt.2
Choice E:	Very distracting distractor
Image:	A place for an image unused by the script

To Add/Change an Image:	Another table cell unused by the script
Body System:	___ Allergy/Immune/Infection ___ Cardiovascular ___ Endocrine ___ Female Reproductive & Breast ___ Gastrointestinal ___ Head & Neck ___ Health & Wellness ___ Hematopoietic ___ Male Reproductive ___ Metabolic & Nutrition ___ Mind & Behavioral ___ Musculoskeletal ___ Nervous ___ Renal & Urinary ___ Respiratory _X_ Skin & Connective Tissue ___ No Body System
Clinical Focus: ==Choose 1==	_x__ Diagnosis ___ Course of Illness ___ Further Work Up ___ Management ___ Prevention
Clinical Location: ==Choose 1==	___ Emergency department ___ Inpatient/hospital __x_ Outpatient clinic/urgent care ___ Other
Answer Explanation:	"The correct answer pt.2" is correct because ths is item 2, and we decided it should be that way.
Question Status	_x__ Finalized ___ Tabled ___ Scrapped

==**Item 3 is a copy of Item 2, but it is not marked 'Finalized', so it is left out of the output.**==

3

Question ID	Clinical Specialization 02
Author	Wilder
Link to Case	http://placeholder-link.com

Link to Case Summary	http://placeholder-link.com/redirect-to-pdf
Teaching Point	**Another Teaching Point Title** • **A** mnemonic • **B**ordering on absurdity • **C**ourting disaster • **D**riving away from the point Let's explain more!
Learning Objective	• This learning objective also ends in a period.

Vignette:	A compelling story about a former ship captain who was lost on an island with a cast of characters. Ironically, the island wasn't named after the skipper.
Lead-in:	What question should we ask?
Correct Answer:	The correct answer pt.2
Choice A:	A distractor
Choice B:	Another distractor
Choice C:	Gosh why so many distractors
Choice D:	The correct answer pt.2
Choice E:	Very distracting distractor
Image:	A place for an image unused by the script
To Add/Change an Image:	Another table cell unused by the script
Body System:	___ Allergy/Immune/Infection ___ Cardiovascular ___ Endocrine ___ Female Reproductive & Breast ___ Gastrointestinal ___ Head & Neck ___ Health & Wellness ___ Hematopoietic ___ Male Reproductive ___ Metabolic & Nutrition ___ Mind & Behavioral ___ Musculoskeletal

	___ Nervous ___ Renal & Urinary ___ Respiratory _X_ Skin & Connective Tissue ___ No Body System
Clinical Focus: Choose 1	_x__ Diagnosis ___ Course of Illness ___ Further Work Up ___ Management ___ Prevention
Clinical Location: Choose 1	___ Emergency department ___ Inpatient/hospital __x_ Outpatient clinic/urgent care ___ Other
Answer Explanation:	"The correct answer pt.2" is correct because ths is item 2, and we decided it should be that way.
Question Status	___ Finalized ___ Tabled _x__ Scrapped

A typical output would continue with 35 total items / table pairs, but for our demo, we will limit to 3.