

From: [REDACTED]
Sent: 17 August 2020 15:06
To: aaron.prowse@live.co.uk
Cc: [REDACTED]
Subject: Coding task details

Hi Aaron,

Good speaking to you on Friday - I hope this finds you well.

As mentioned here is a description of a coding task which we'd be grateful if you could complete for us. I hope it is clear but obviously feel free to get in touch with any questions or clarifications! (I'm on 07855 507734 if you'd like to speak). Thank you.

Task: create a PHP-based web application to read image filenames from a MySQL table and report on 'small' images, also providing a simple user interface to support an 'approval' mechanism (the processing for which does not need to be coded as part of this exercise).

Background: Howe Tools Ltd uses a custom configuration screen which enables employees in the warehouse to associate 'extra images' with products (eg. the 2nd-9th images in the carousel on <https://www.howetools.co.uk/dremel-805035-f0138050jf-7-2v-multi-tool>). Sometimes the assigned images are too small to be of real use to customers, such as the 8th image shown on this page. A script is required to report on these small images, and present them in a UI which could be used by warehouse employees to indicate which of the reported images are actually OK to use, despite being small (using checkboxes etc to 'approve' them). You don't need to code the approval mechanism but an indication of how it could work in terms of the database would be good!

Details:

- 'extra images' config is stored in the MySQL table 'htl_sku2extraimages' (accessible via cPanel > phpMyAdmin; credentials below)
- the 'sku' column is the unique numeric ID (recognisable to warehouse employees) of the powertool in question (eg. the numeric ID of the Dremel tool in the case of the page above)
- various other columns whose names contain the word 'sku' (kit_sku_1, container_sku, etc) contain EITHER the sku (ID) of a related item, OR the filename of a related image (or blank).
- For this task, only values in filename-type format should be considered (ie. please ignore those that are purely numeric)
- Image files can be found in the 'images' subdirectory off the doc root (public_html)
- We are not totally certain yet what defines an image which is 'small', but being < 400px on both width AND height is probably a reasonable start, so the application should list any images meeting this criterion.
- For any row in htl_sku2extraimages containing one or more small images, the application should list the value of the 'sku' column (ie. the ID of the main tool), then for each small image: display the image, its filename and the name of the column (kit_sku_1, container_sku, etc) in which it was found. The UI should support the idea of 'approving' one or more of these small images so they are not displayed in future runs of the application, but this does not need to be fully coded (unless you particularly want to, in which case feel free of course!)

Hosting details:

I am assuming you are OK with working directly on this dev server - it's a standard cPanel setup. You are welcome to work in the document root (public_html). Any probs or Qs just let me know.

Site URL:
[REDACTED]

HTTP AUTH user / pass: [REDACTED]

cPanel is at [REDACTED]

installed PHP version is 7.2 but you have access to versions and extensions via cPanel as usual.

cPanel / SSH (port 722) / FTP credentials:

[REDACTED]

FTP setup

[REDACTED]

DB details (localhost)

DB name: [REDACTED]

DB user / pass: [REDACTED]

Hope that covers it. Any questions/issues/etc please just shout!

Thanks again, all the best

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