publishFilesFromDir

Publish m-files from given directory with passed publishing options.

Contents

Syntax

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publishFilesFromDir(directory, PublishOptions)
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publishFilesFromDir(directory, PublishOptions, recursivly, verbose)
```

Description

publishFilesFromDir(directory, PublishOptions) publish m-files wich are located in the passed directory with options from passed publishing options struct which is must be strict formatted after given example from Matlab documentation.

publishFilesFromDir(directory, PublishOptions, recursive) publishing like described before but scan the directory recursively for m-files. Default is false for do not recursively.

publishFilesFromDir(directory, PublishOptions, recursive, verbose) with optional verbose set to true the published html files will be displayed in the prompt. Default is false.

Examples

```
directory = 'src';
PublishOptions = struct;
PublishOptions.outputDir = 'src/html';
PublishOptions.evalCode = false;
publishFilesFromDir(directory, PublishOptions, true)
```

```
load('config.mat', 'srcPath', 'PublishOptions')
publishFilesFromDir(srcPath, PublishOptions, true, true)
```

Input Arguments

directory char vector, path to directory where m-files are located to publish.

PublishOptions struct which contains publishing options for the Matlab publish function.

recursive logical scalar which directs the function to scan recursively for m-files in passed directory if true. Default is false.

verbose logical scalar which determines to display the filenames and path to published file if true. Defaults is false.

Output Arguments

None

Requirements

- Other m-files required: None
- Subfunctions: None
- MAT-files required: None

See Also

- dir
- fullfile
- publish

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```
function publishFilesFromDir(directory, PublishOptions, recursive, verbose)
    arguments
        % validate directory if exist
        directory (1,:) char {mustBeFolder}
        % validate Publish options if it is a struct
        PublishOptions (1,1) struct {mustBeA(PublishOptions, ["struct"])}
        % validate recursive if logical
        recursive (1,1) logical {mustBeNumericOrLogical} = false
        verbose (1,1) logical {mustBeNumericOrLogical} = false
    end

    % file extension is alway m-file
    ext = '*.m';

    % reursive parsing for files with dir function needs a certain regex
    if recursive
        pathPattern = fullfile(directory, '**', ext);
    else
        pathPattern = fullfile(directory, ext);
    end

    % scan directory for files returns a column struct with path fields
    files = dir(pathPattern);

    % transpose files struct and loop through for publish
    for file = files'
        %  if not dir must be file
        if ~file.isdir
            % build path by struct field for recursive tree
            written = publish(fullfile(file.folder, file.name), PublishOptions);
            if verbose
                disp(written);
            end
        end
    end
end
```

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