
ModelReviewTool

ModelReviewTool will be useful to manually review the Simulink model and to generate the review report in html/xls/ppt formats.

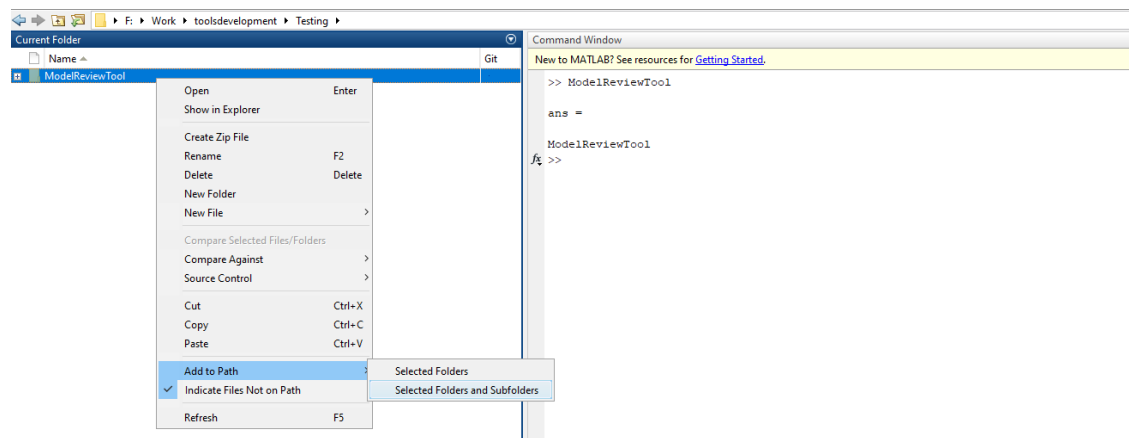
Developed by: Sysenso Systems, <https://sysenso.com/>

Contact: contactus@sysenso.com

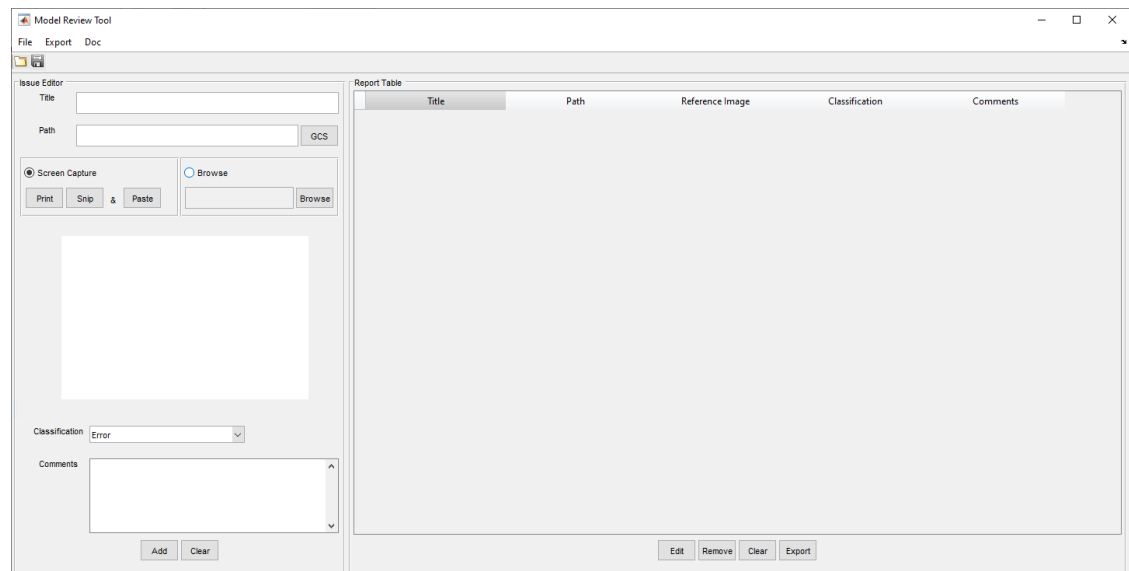
Version: 1.0 - Initial Version.

Usage Information

- Open the Simulink model that has to be reviewed. To launch the tool, type the following command in the MATLAB command window `>> ModelReviewTool`



- It has two important panels.
1. Issue Editor - To create/edit an issue
 2. Report Table - List of review items created



- Issue Editor Panel - Every issue will have a title, reference system path, reference image, issue type, additional comments.

Issue Editor

Title

TransmissionGear Wiring

Path

slidemo_autotrans/Transmission/TransmissionRatio

GCS

☒ Screen Capture

Print

Snip

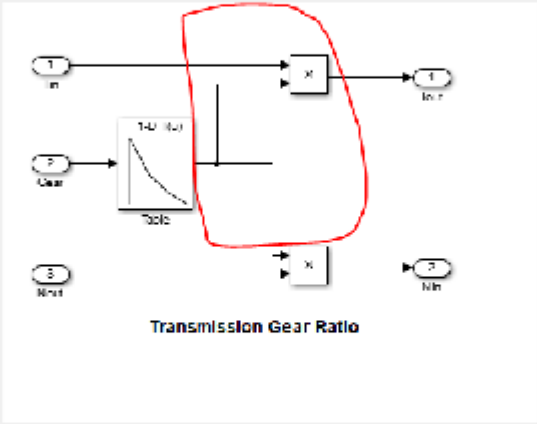
&

Paste

☐ Browse

02May2020160040.png

Browse



Classification

Warning

Comments

Wirng can be improved.

Add

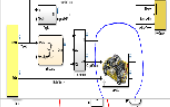

Clear

1. Title - Issue will be identified by its title. Hence it should be unique.
2. Path - System path where the issue is noted. Use GCS button to get the current system path.
3. Reference Image - Issue can be better explained by an image with color and text markings. Use any one approach to get the image 1.snipping tool image editor 2.printing a snapshot of the model 3.browsing an existing image.
4. Classification - Issue can be classified as Error/Warning/Info
5. Comments - Any additional comments to give more explanation.

2

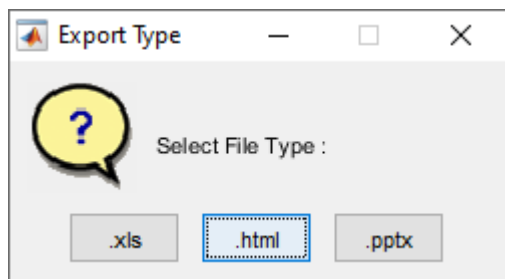
- Report Table - It holds all the review issues in a table. Issues can be edited directly in this table or it can be moved to 'Issue Editor' to update it.

Report Table

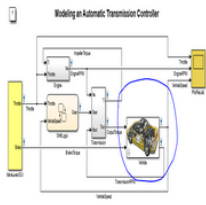
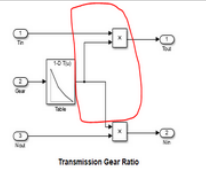
	Title	Path	Reference Image	Classification	Comments
1	Vehicle Image	slidemo_autotrans/Vehicle		Info	Change the vehicle image
2	TransmissionGear Wiring	slidemo_autotrans/Transmission...		Warning	Wiring can be improved.

Buttons: Edit Remove Clear Export


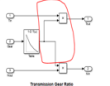
- Review report can be exported into XLS/HTML/PPT formats.



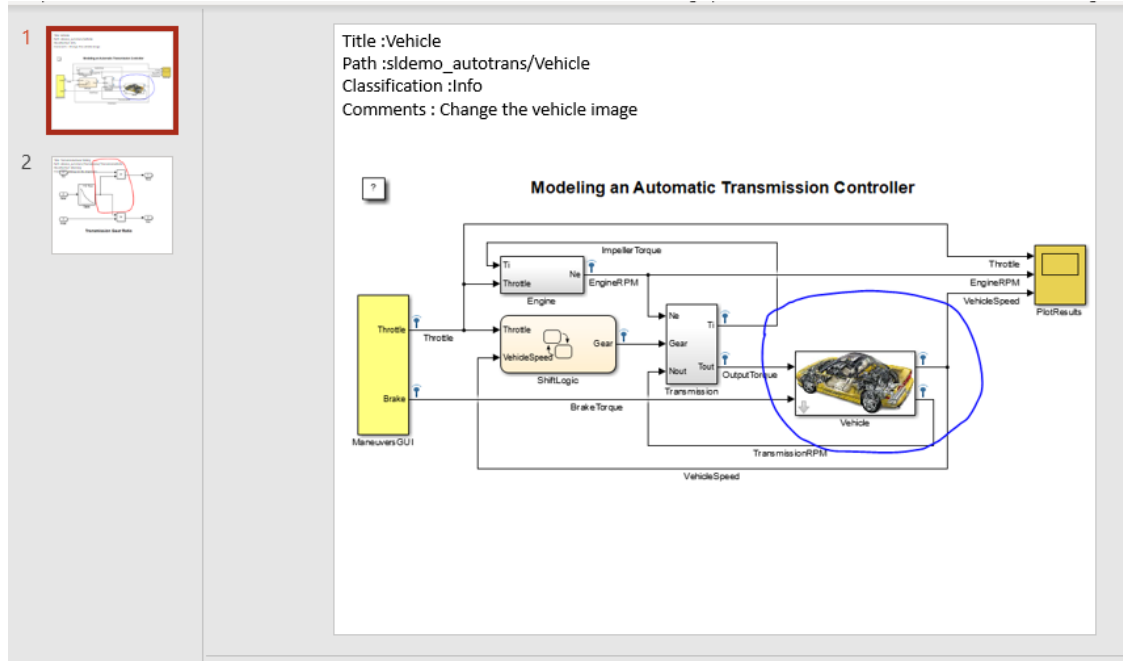
- HTML

htmlsample.html				
Location: file:///F:/Work/toolsdevelopment/ModelReviewTool/htmlsample.html				
Title	Path	Reference Image	Classification	Comments
Vehicle	sldemo_autotrans/Vehicle		Info	Change the vehicle image
TransmissionGear Wiring	sldemo_autotrans/Transmission/TransmissionRatio		Warning	Wirng can be improved.

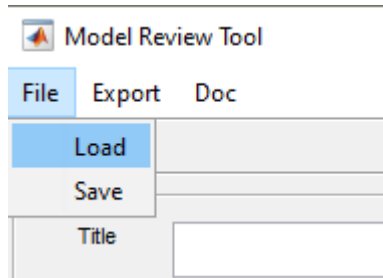
• XLS

	A	B	C	D	E
1	Title	Path	Reference Image	Classification	Comments
2	Vehicle	sldemo_autotrans/Vehicle		Info	Change the vehicle image
3	TransmissionGear Wiring	sldemo_autotrans/Transmission/TransmissionRatio		Warning	Wirng can be improved.
4					
5					
6					

• PPT



- During the review process, the intermediate report can be stored in a specific file format(.mrt) for this tool. This can be loaded anytime and then the review can be continued.



- Courtesy: This tool uses the following file-exchange submissions. We thank the respective authors.

- base64img - <https://in.mathworks.com/matlabcentral/fileexchange/24514-base64-image-encoder>
- exportToPPTX - <https://in.mathworks.com/matlabcentral/fileexchange/40277-exporttopptx>
- html_table - <https://in.mathworks.com/matlabcentral/fileexchange/25078-html-table-writer>
- imclipboard - <https://in.mathworks.com/matlabcentral/fileexchange/28708-imclipboard>

Note: This tool is a prototype. Please share your comments and contact us if you are interested in updating the features further.

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