

Acceptance testing results

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1 Acceptance testing results

This acceptance test was run by a physics student. Here finding were very interesting because she had little understanding of computers in comparison to our other testers. This caused for interesting findings.

1.1 Basic startup and workspace initialization

What is meant by GUI? It is what is meant by this. Where is the status bar? I don't know what it should look like.

1.2 File opening

You ask me to click on the open item. I don't know where it is? If you mean the "Open" option in the menu it is not really clear.

1.3 File saving

The steps tell me there is a confirmation prompt. What is this and where will it be located? Also, saving a blank file without description does not change the name of the circuit in the top left panel.

1.4 Create simple circuit

This all feels rather natural.

1.5 Create and simulate a 2-to-1 multiplexer:

What is a 2-to1 multiplexer? How am I supposed to build that? If I validate and I get an error, a refresh button appears. When I click on it, it doesn't do anything. I would expect it to retry the validation. When I open the Simulate menu and click on Define Inputs it does not show graphs. I don't know where to locate these. If I change to the editor tab, It asks me if I want to delete the CSV. I am not sure if that is a good idea. You ask me to run the simulation, is that the same as run solver?

1.6 Compound Gates

No further remarks.

1.7 General bugs

Just the one where saving an unnamed file does not apply the save name in the description.

1.8 Usability grading

Here the tester can give grades for specific and overall aspects of the usability of the application. Of course written remarks and feedback on certain aspects are also very valuable, and we encourage the tester to make these along with providing grades. On some aspects an explanation is provided in the footnotes.

In the following table, the grades correspond to the following valuations;
1 = very bad, 3 = bad, 5 = moderate/average, 7 = good, 9 = very good.

Aspect	Score on aspect
Usability of circuit modelling	9
Usability of circuit management ¹	6
Responsiveness	9
Performance	8
Affordance ²	7
Presentation of data ³	8
Visual appeal	8
Overall application usability	7

¹The ease of use and learnability of importing, exporting, saving, opening, browsing and editing of circuit details.

²The degree in which the UI intuitively implies its functionality and use.

³The quality of communication of, for example; simulation output data, validation results, input data, protein listings