

# 1.0 Automatically adapted questionnaires

## Use of attributes for questions

The screenshot displays the 'Question details' dialog box in a software application. The question text is 'Do gear changes feel rough/abrupt?'. The 'Define conditions' tab is active, showing a dropdown menu with options: 'empty', 'not empty', 'contains' (selected with a green checkmark), and 'does not contain'. The value '6-Speed Automatic' is entered in the input field next to the dropdown. The interface also shows a list of attributes on the left and various control buttons like 'Preview', 'Cancel', and 'Save'.

From now on it is possible to assign different conditions to questions using attributes. For this purpose, an automatic comparison takes place with the attributes of relevant test objects. Only if a test object has an attribute that was defined as a condition in the question will the question be displayed.

A detailed description can be found here: [LINK to the manual](#)

## Comparison of conditions in questionnaires

The screenshot shows the 'Report' interface for 'Competitor Analysis\_Gear Shifting'. A questionnaire question is displayed: 'Can you feel a jerk, clunk or thud while shifting gears?'. The results are shown in a tabular view:

Value	Number of answers	Share
Yes	0	0 %
No	1	25 %
Sometimes	3	75 %
I can't say for sure	0	0 %

Below the table is a bar chart visualization showing the distribution of answers across different vehicle models. The y-axis represents the percentage of answers (40% to 100%), and the x-axis represents the number of answers (1, 2, 3). The bars are color-coded by vehicle model: 06-Jeep\_BM\_4 (blue), 04-SUV\_BM\_3 (green), 04-SUV\_BM\_1 (purple), 06-Jeep\_BM\_5 (dark green), and 04-SUV\_BM\_2 (teal). The bar for 04-SUV\_BM\_2 has a value of 1, and the bar for 04-SUV\_BM\_1 has a value of 2.

In order to only receive relevant questions in a questionnaire, a mechanism was developed at this point. This means that only the questions that meet certain conditions are displayed.

The screenshot shows the same 'Report' interface, but with a 'Conditions' dialog box open. The dialog box has the following content:

User-defined conditions:

- ALL conditions must be met
- At least one condition must apply

Below the radio buttons is a search list with the following entry:

Search list	Operator	Value
Transmission	contains	6-Speed Automatic

The dialog box also includes a 'Close' button.

By clicking on the "Conditions" button you can find out which condition has been set.

A detailed description can be found here: [LINK to the manual](#)

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