

Seminar 1: Requirement Gathering

Using the Gherkin language to derive requirements that support Behaviour Driven Development (BDD) by Rice et al. (2017). BDD focuses on eliciting requirements via communications with stakeholders (human or software) and attempts to discuss the requirements using natural language which supports developers to focus on the *what* and not the *how*.

BDD's motivation is to deliver business value primarily through user interfaces and can be described using the Gherkin language that uses the terms "Give", "When" and "Then".

Scenario: Getting Familiar with a New Vehicle

Given the user has a driver's license

And the user is inside the vehicle

And the vehicle is switched off and stationary

When the user presses the car horn

Then the vehicle's horn shall sound

And no other vehicle functions will activate

When the user starts the ignition

Then the vehicle's dashboard shall light up

And the aircon, radio, brakes, power steering and wipers will
 be available

But the car will not drive forward

When the aircon is available

Then the user can switch it on and off

And there is a visual/audio indication of the function on the control's panel

When the user turns off the ignition

Then no vehicle functions will be available

But the horn function will be available

References

Rice, B., Jones, R. & Engel, J. (2017) Behaviour Driven Development. Available from <https://behave.readthedocs.io/en/stable/philosophy.html#the-gherkin-language>
[Accessed 24 Mar. 2022]