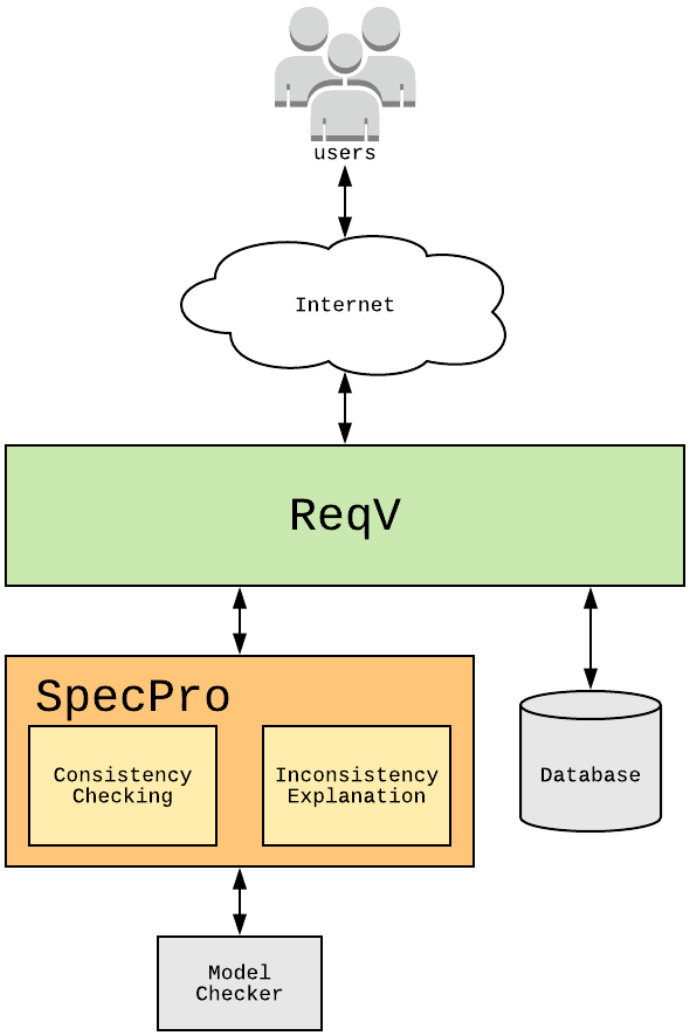
Users	• Requirements engineers without any prior knowledge related to formal methods. • Software developers without any knowledge of formal methods and logical languages. • System engineers interested to formally verify a model w.r.t. some properties.
Key Features	• Organization and Storage of requirements in an online platform. • Automated consistency checking of requirements expressed in natural language. • Automated inconsistency finding in case of inconsistent requirements.
Benefits for the User	• Automated consistency checking of a set of requirements written in controlled natural language. • No prior knowledge related to specification languages is required to input the requirements (GUI support). • Human-readable feedback in the case of inconsistent requirements. • Domain and application independent.
Inputs	Set of requirements in natural (controlled English) language, formulated as Property Specification Patterns for Linear Temporal Logic (LTL) extended to constrained numerical signals
Outputs	Consistency result (yes/no). In the case of inconsistency, the tool returns the minimal set of requirements that causes the inconsistency.
Block Design	

Example of Usage	A requirement engineer has to start the requirements definition of a new system. She opens the browser, logs in into ReqV and create a new project. In the project, she start adding requirements one by one, with the support of the GUI. When she has finished, she press the verification button, and finds out that the specification is inconsistent. Therefore, she run the inconsistency explanation task, and after few minutes ReqV returns a list of few requirements that are conflicting. The engineer inspects those requirements and fix the problem. She runs again the verification button and this time ReqV reports that everything is ok. One month later, a client ask for the introduction of a new feature. The requirements engineer enter in ReqV again and insert the new requirements. Running the verification task, she finds out that one of such requirements conflicts with an old one. She returns to the client and discuss the issue. They decide to modify the old requirements so to be compliant with the new ones. The requirements engineer update the requirements in ReqV accordingly, and this time the verification process returns a positive answer.
Role in the Toolchain	Requirements verification at the early stage of the design process