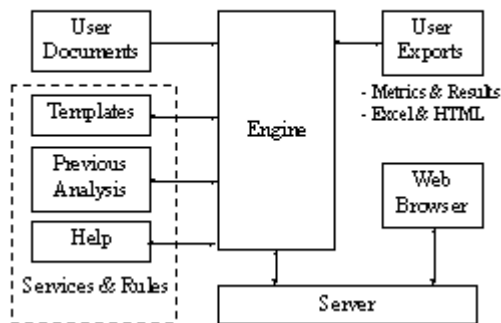


Specification Analysis Tool (SAT)

SAT is a revolutionary new automation aid to develop clean useful specifications that contain clear, complete, consistent, and testable requirements.

SAT is a tool for assessing requirements that are specified in natural language. Services range from simple: looking for bad requirement text, to complex: looking for missing capabilities and key requirements. It very quickly identifies specification problems, makes recommendations, profiles a document, and gathers metrics all in one report.

Architecture



Works Like an Internet Search Engine

- ✓ It works on your computer
- ✓ It is fast 150 pages in 60 seconds
- ✓ Lets machines do what they do well like search, count, filter, categorize, profile, visualize
- ✓ Lets humans do what they do well like creativity, critical thinking, inspiration, intuition
- ✓ Returns document text blocks
- ✓ Search criteria has many attributes
- ✓ Search criteria saved as templates
- ✓ Search grouped into rules & services
e.g. 75 word & phrase patterns grouped into 15 rules as 1 service

Uses Our Templates With Your Rules

- ✓ Its beauty is its ability for you to define your own specification analysis rules
- ✓ Has preloaded rules that allow you to immediately start adding value to your project
- ✓ Finds un-testable, unsure, vague, compound, internal reference, non-standalone, fragment, directive, duplicate, and other requirement issues you codify
- ✓ Looks for capabilities, key requirements, reading level, document structure, and whatever you can image with the SAT framework
- ✓ Metrics gathered so you know when you are done

- ✓ All Specification Development Phases
- ✓ Software, Hardware, Systems, Mechanical, Production, Chemical, Civil, Logistics, Support, Training, Reliability, etc
- ✓ Quality Assurance, Test, Validation
- ✓ From Program Concept to IV&V
- ✓ University Level Education

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Running SAT

- ✓ Profile your previous specifications
- ✓ Compare current specifications with your profile
- ✓ Profile your previous key requirements
- ✓ Compare current key requirements with your profile
- ✓ Mine related documents to surface requirements
- ✓ Preliminary analysis 5 minutes tuned analysis 1 hour
- ✓ Staff argues over results 3 days
- ✓ Staff released to concentrate on hard stuff priceless