

# 1 The “spectable” package

The “spectable” package provides a simple way of tracking requirement specifications in a LaTeX document. Each requirement is given a unique ID based on the section it is defined in. It can be used to track the implementation of features in a project. The specification table below illustrates its usage.

This package was created for the sole purpose of simplifying my code in one of my projects – it is not meant to be complete, correct or universally usable. Feel free to use it anywhere you like.

## 1.1 Demo requirement table

ID	Description	Comments
1.1.0.S1	The robot must have an emergency off button	<input checked="" type="checkbox"/> <b>valid</b>
1.1.0.S2	The robot must have an on-off switch	<input type="checkbox"/> <b>new</b>
1.1.0.S3	<del>The robot must behave randomly</del>	<input checked="" type="checkbox"/> <b>deleted</b>
1.1.0.S4	The robot must look cool	<input type="checkbox"/> <b>to be defined:</b> What exactly is meant by 'cool'?
1.1.0.S5	The robot must be steam-powered	<input checked="" type="checkbox"/> <b>required</b>
<i>info</i>	<i>A requirement ID consists of Chapter.Section.Subsection.Sx, where x is a unique number in this subsection</i>	<i>info</i>
<i>info</i>	<i>If a specification claim becomes invalid, <b>don't</b> delete it, but rather mark it as <b>deleted</b> and <b>strike</b> the description.</i>	<i>info</i>

The code for the above table looks as follows:

```
\begin{spectable}
\spec{The robot must have an emergency off button}{\valid}
\spec{The robot must have an on-off switch}{\new}
```

```

\spec{\strike{The robot must behave randomly}}{\deleted}
\spec{The robot must look cool}{\discussion{What exactly is meant by 'cool'?}}
\spec{The robot must be steam-powered}{\imposed}
\specinfo{A requirement ID consists of \texttt{Chapter.Section.Subsection.Sx}, where
\specinfo{If a specification claim becomes invalid, \textbf{don't} delete it, but instead
\end{spectable}

```

## 1.2 License

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