

# Requirements

This part of the documentation collects requirements using [OpenFastTrace](#).

## Specifying requirements

One writes directly below a Markdown heading a requirement identifier.

Example:

```
### Example  
`req~ai.example~1`
```

It is important that there is no empty line directly after the heading.

One needs to add `<!-- markdownlint-disable-file MD022 -->` to the end of the file, because the ID of the requirement needs to follow the heading directly.

## Linking implementations

Then, one writes down at the requirement. Directly at the end, one writes that it requires an implementation:

```
Needs: impl
```

One can also state that there should be detailed design document (`dsn`). However, typically in JabRef, we go from the requirement directly to the implementation.

Then, at the implementation, a comment is added this implementation is covered:

```
// [impl->req~ai.example~1]
```

When executing the gradle task `traceRequirements`, `build/tracing.txt` is generated. In case of a tracing error, one can inspect this file to see which requirements were not covered.

## More Information

- [User manual of OpenFastTrace](#)
- We cannot copy and paste real examples here, because of [openfasttrace#280](#).

- [AI](#)
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