

# Process description

The process of writing a project proposal starts when the author comes up with an initial idea. Afterwards, it is possible to write a project proposal and to refine the idea at any time. After having written the project proposal it becomes possible to check for plagiarism. Every time a new proposal is written, the author has the chance of checking for plagiarism once. It is possible to cancel the proposal if it turns out that the idea is infeasible. Otherwise, as soon as the project proposal is described sufficiently well, it is possible for the author to submit the proposal. Note that a proposal can be submitted only once.

## Invariants

1. Ensure that it only becomes possible to cancel the proposal after the author has come up with an initial idea
2. Ensure that the proposal cannot be cancelled after submitting and that it cannot be submitted after cancelling
3. Ensure that checking for plagiarism can be done once and only once every time the proposal is written
4. Ensure that the proposal always needs to be updated when the idea has been refined
5. Ensure that if the idea has been refined, then the proposal cannot be submitted before it has been updated