



# Companion Requirements

J.-M. Bruel

1.2.1 – 2021-02-26

# Table of Contents

Goals .....	2
G.1 Overall context and goals .....	2
G.2 Current situation .....	2
G.3 Expected benefits .....	2
G.4 System overview .....	2
G.5 Limitations and exclusions .....	2
G.6 Stakeholders .....	2
G.7 Requirements sources .....	3
Environment .....	4
E.1 Glossary .....	4
E.2 Components .....	4
E.3 Constraints .....	4
E.4 Assumptions .....	4
E.5 Effects .....	4
E.6 Invariants .....	4
Process .....	5
P.1 Roles .....	5
P.2 Personnel characteristics and constraints .....	5
P.3 Imposed technical choices .....	6
P.4 Schedule and milestones .....	6
P.5 Tasks and deliverables .....	6
P.6 Risk and mitigation analysis .....	6
P.7 Requirements process and report .....	6
System .....	7
S.1 Components .....	7
S.2 Functionality .....	7
S.3 Interfaces .....	7
S.4 Scenarios (use cases, user stories) .....	7
S.5 Prioritization .....	7
S.6 Verification and acceptance criteria .....	7



This document constitutes the requirements book of the [Requirements Handbook Companion](#). It follows the method presented in the [Handbook of requirements and business analysis](#). It uses the AsciiDoc template available [here](#).

## CHANGELOG

Version	Date	Comment
1.0	2021-02-01	Initial draft by <a href="#">J.-M. Bruel</a>
1.1	2021-02-08	Organization in separate books' files, by <a href="#">J.-M. Bruel</a>
1.2	2021-02-21	Writing of the Process book, by <a href="#">J.-M. Bruel</a>
1.2.1	2021-02-29	Minor improvements of verification rules, by <a href="#">J.-M. Bruel</a>
<i>1.2.1</i>	<i>2021-02-26</i>	<i>Current PDF version, by <a href="#">J.-M. Bruel</a></i>

# Goals



Front matter

## G.1 Overall context and goals

1 The main purpose of the [Companion Book](#) is to complement the [Handbook](#) by providing useful additional material, examples, templates, and full {method} use cases.

⊗ [Corresponding Artifact]

## G.2 Current situation

## G.3 Expected benefits

1 [Readers](#) of the [Companion Book](#) should be able to find some templates for the requirements' book structure.

✓ [Corresponding Artifact](#)

## G.4 System overview

2 The *system* under development in this specification is an unusual one: a book! It will serve as a companion for the [Handbook](#).

⊗ [Corresponding Artifact]

## G.5 Limitations and exclusions

## G.6 Stakeholders

Here is a non-exhaustive list of the stakeholders.

Table 1. Target side stakeholders

Stakeholder	Category	Comment
Springer	Legal department	In charge of the edition of the <a href="#">Companion Book</a>
Readers of the <a href="#">Handbook</a>	User	Readers of the main <a href="#">Handbook</a> that might need additional information about the method
Readers of the <a href="#">Companion Book</a>	User	Person reading the <a href="#">Companion Book</a> who might not have access to the main <a href="#">Handbook</a>

Table 2. Production side stakeholders

Stakeholder	Category	Comment
Author of the Handbook	Domain Expert	Bertrand Meyer, author of the <a href="#">Handbook</a> , and main evaluator of the <a href="#">Companion Book</a>
Author of the Companion Book	Project Manager	<a href="#">J.-M. Bruel</a> , author and effort leader of the <a href="#">Companion Book</a>

## G.7 Requirements sources

Most of the requirements come from the [Handbook](#).



*Back matter*

**TBD list**

[\[p1-persons\]](#).

# Environment

## E.1 Glossary

This section defines the domain-specific terms used in this document.

It also lists the icons used in this document.

### 1 Terms

#### Companion Book

The *system* to be developed. Current version available [here](#).

#### Handbook

The book, entitled "Handbook of requirements and business analysis", written by Bertrand Meyer (see PDF [here](#)), and for which the [Companion Book](#) serves as complementary material.

### 2 Icons

Here is the list of significations for the icons used when tracing the corresponding artifacts:

*Table 3. Icons signification*

Icon	Signification
☑	A precisely referenced artifact satisfying the requirement
✱	An artifact not yet fully functional
⊗	No corresponding artifact yet (requirement not satisfied)

## E.2 Components

## E.3 Constraints

## E.4 Assumptions

## E.5 Effects

## E.6 Invariants

# Process



Front matter

## P.1 Roles

1 Here are the roles for the production of the [Companion Book](#):

- Leader: The person in charge of leading and organizing the writing effort.
- Writers: The persons contributing to the writing effort.
- Reviewers: The persons in charge of reviewing the [Companion Book](#).

☑ [Corresponding Artifact](#)

## P.2 Personnel characteristics and constraints

2 Here are the identified people involved in the development of the [Companion Book](#):

- Leader: The writing effort of the [Companion Book](#) is under the responsibility of [J.-M. Bruel](#).
- Writers: In addition to [J.-M. Bruel](#), here are the persons involved: Sophie Ebersold, Marya Naumchev, Alexandr Naumchev, Florian Galinier
- Reviewers: In addition to Bertrand Meyer, author of [Handbook](#), some reviewers will be found among early adopters of [Handbook](#).

TBD

### Author

[J.-M. Bruel](#)

### Date

2021-02-21

### Deadline

June

### Importance

serious

### Needs

- ☐ stakeholders to ask
- ☐ documentation to consider
- ☒ management decision (by Bertrand Meyer)

⊗ [Corresponding Artifact]

## P.3 Imposed technical choices

3 The [Companion Book](#) should be written in English.

4 The [Companion Book](#) should be written in one of the compatible inputs of the publisher, Springer.

⊗ [Corresponding Artifact]

## P.4 Schedule and milestones

5 The expected date of the [Companion Book](#) is the end of June.

## P.5 Tasks and deliverables

6 The tasks are managed through the use of a collaborative repository: <https://github.com/FormalRequirements/requirements-handbook>.

## P.6 Risk and mitigation analysis

At this point, there is no mitigation analysis.

## P.7 Requirements process and report

The production of the [Companion Book](#) will not follow a particular requirements process.



*Back matter*

**TBD list**

[\[p2-persons\]](#).



# System

## S.1 Components

## S.2 Functionality

## S.3 Interfaces

## S.4 Scenarios (use cases, user stories)

## S.5 Prioritization

## S.6 Verification and acceptance criteria

Here are some examples of verification rules currently implemented in the [Companion Book](#).

1 The books may reference each other, but not arbitrarily. The following diagram shows which books may refer to which.



It only governs the actual contents, ignoring the front and back matter.

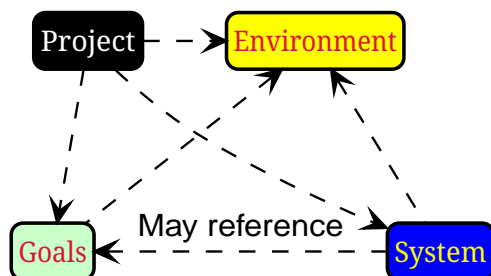


Figure 1. Possible references between the books

✔ Corresponding artifact

PEGS