# Use Case Specification

# Version <1.0>

[Note: The following template is provided for use with the Rational Unified Process. Text enclosed in square brackets and displayed in blue italics (style=InfoBlue) is included to provide guidance to the author and should be deleted before publishing the document. A paragraph entered following this style will automatically be set to normal (style=Body Text).]

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# Revision History

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# Use Case Specification

[The following template is provided for a Use-Case Specification, which contains the textual properties of the use case. The use-case diagrams can be developed in a visual modeling tool, such as Rational Rose. A use-case report, with all properties, may be generated with Rational SoDA. For more information, see the tool mentors in the Rational Unified Process.

Put here is a overview of all the use cases of the system (it is interesting to use the UML use case diagram)]

# UC1 - Use-Case Name 1

## Brief Description

[The description briefly conveys the role and purpose of the use case. A single paragraph will suffice for this description.]

## Actors

[Actors that interact / uses this use case]

Actor 1; Actor 2; ...

## Traceability

[Traceability between the use case and the requirements document (Functional, Non-Functional and Business Requirements)]

RF1 - The system must register...;

RNF1 - The response time...;

RN1 - The final average is calculated based on...;

RN2 - The calculation must have at least two notes...;

## Preconditions

[A precondition of a use case is the state of the system that must be present prior to a use case being performed.]

< Precondition One; Precondition Two; ...

## Post-conditions

[A post-condition of a use case is a list of possible states the system can be in immediately after a use case has finished.]

< Post-condition One; Post-condition Two; ...

## Flow of Events

### Basic Flow

[This use case starts when the actor does something. An actor always initiates use cases. The use case describes what the actor does and what the system does in response. It is phrased in the form of a dialog between the actor and the system.

The use case describes what happens inside the system, but not how or why. If information is exchanged, be specific about what is passed back and forth. For example, it is not very illuminating to say that the actor enters customer information. It is better to say the actor enters the customer’s name and address. A Glossary of Terms is often useful to keep the complexity of the use case manageableyou may want to define things like customer information there to keep the use case from drowning in details.

Simple alternatives may be presented within the text of the use case. If it only takes a few sentences to describe what happens when there is an alternative, do it directly within the **Flow of Events** section. If the alternative flow is more complex, use a separate section to describe it. For example, an **Alternative Flow** subsection explains how to describe more complex alternatives. ]

1. The user enters his notes...;

2. The system calculates...;

3. The system send the user' data to...;

4. ...

### Alternative Flows

[More complex alternatives are described in a separate section, referred to in the Basic Flow subsection of Flow of Events section. Think of the Alternative Flow subsections like alternative behavior each alternative flow represents alternative behavior usually due to exceptions that occur in the main flow. They may be as long as necessary to describe the events associated with the alternative behavior. When an alternative flow ends, the events of the main flow of events are resumed unless otherwise stated.]

### 2.1. <Invalid Notes informed (violates the RN2)>

2.1.1. The system performs the rollback action;

2.1.2. The system shows a warning message;

2.1.3. The system returns to step 1 of the main flow;

### 3.1. < Second Alternative Flow (violates the RN...)>

3.1.1. ...

### Exception Flows

[Exception points of the use case.]

### 2.2. <Error occurred while establishing connection to the server (violates the RNF1)>

2.2.1 ….

# UC2 - Use-Case Name 2

[Repeat all the information as the template of the previous UC ....]