

# 1 User requirements

Template in Figure 1. Requirement UR-01 in Figure 2.

Table 1: User requirement template

UR-XX	
<b>Description</b>	Detailed description of the requirement.
<b>Necessity</b>	Priority of the requirement for the user ( <i>Essential</i> , <i>Convenient</i> or <i>Optional</i> ).
<b>Priority</b>	Priority of the requirement for the developer ( <i>High</i> , <i>Medium</i> or <i>Low</i> ).
<b>Stability</b>	Indicates the requirement's variability trough the development process ( <i>Constant</i> , <i>Inconstant</i> or <i>Very unstable</i> ).
<b>Verifiability</b>	Ability to test the validity of the requirement ( <i>High</i> , <i>Medium</i> or <i>Low</i> ).

Table 2: Requirement UR-01

UR-01	
<b>Description</b>	Mi carro me lo robaron estando de romería.
<b>Necessity</b>	Convenient
<b>Priority</b>	Low
<b>Stability</b>	Constant
<b>Verifiability</b>	Medium

Table 3: Requirement UR-02

UR-02	
<b>Description</b>	Mi carro me lo robaron anoche cuando dormía.
<b>Necessity</b>	Convenient
<b>Priority</b>	Low
<b>Stability</b>	Constant
<b>Verifiability</b>	High

## 2 System requirements

Template in Figure 4.

Table 4: Software requirement template

SR-XX	
<b>Description</b>	Detailed description of the requirement.
<b>Necessity</b>	Priority of the requirement for the user ( <i>Essential</i> , <i>Convenient</i> or <i>Optional</i> ).
<b>Priority</b>	Priority of the requirement for the developer ( <i>High</i> , <i>Medium</i> or <i>Low</i> ).
<b>Stability</b>	Indicates the requirement's variability trough the development process ( <i>Constant</i> , <i>Inconstant</i> or <i>Very unstable</i> ).
<b>Verifiability</b>	Ability to test the validity of the requirement ( <i>High</i> , <i>Medium</i> or <i>Low</i> ).
<b>Origin</b>	User requirements that derived this requirement.

Table 5: Requirement SR-01

<b>SR-01</b>	
<b>Description</b>	¿Dónde estará mi carro?
<b>Necessity</b>	Convenient
<b>Priority</b>	Low
<b>Stability</b>	Constant
<b>Verifiability</b>	High
<b>Origin</b>	UR-01,UR-02

Table 6: Requirement SR-02

<b>SR-02</b>	
<b>Description</b>	¿Dónde estará mi carro?
<b>Necessity</b>	Convenient
<b>Priority</b>	Low
<b>Stability</b>	Constant
<b>Verifiability</b>	High
<b>Origin</b>	UR-01,UR-02

Table 7: Requirement SR-03

<b>SR-03</b>	
<b>Description</b>	¿Dónde estará mi carro?
<b>Necessity</b>	Convenient
<b>Priority</b>	Low
<b>Stability</b>	Constant
<b>Verifiability</b>	High
<b>Origin</b>	UR-01

Table 8: Requirement SR-04

<b>SR-04</b>	
<b>Description</b>	¿Dónde estará mi carro?
<b>Necessity</b>	Convenient
<b>Priority</b>	Low
<b>Stability</b>	Constant
<b>Verifiability</b>	High
<b>Origin</b>	UR-02

### 3 Use cases

Template in Table 9. Use case UC-01 in Table 10.

Table 9: Use case template

UC-XX	
<b>Name</b>	Brief description of the use case.
<b>Actors</b>	External agent that executes the use case.
<b>Objective</b>	The use case's purpose.
<b>Description</b>	Steps that the external agent must take to execute the use case.
<b>Pre-condition</b>	Conditions that must be fulfilled <i>before</i> executing the use case.
<b>Post-condition</b>	Conditions that must be fulfilled <i>after</i> executing the use case.

Table 10: Use case UC-01

UC-01	
<b>Name</b>	Recuperar el carro.
<b>Actors</b>	Manolo
<b>Objective</b>	Quiere recuperar su carro.
<b>Description</b>	<ol style="list-style-type: none"><li>1. Lo busca</li><li>2. Lo encuentra</li><li>3. Profit</li></ol>
<b>Pre-condition</b>	Se lo han robao.
<b>Post-condition</b>	Encarcelan al que lo ha hecho.

### 4 Requirement traceability

	UR-01	UR-02
SR-01	•	•
SR-02	•	•
SR-03	•	
SR-04		•

Figure 1: Autogenerated traceability matrix

## 5 Components

Template in Table 9.

Table 11: Component template

Identifier	
<b>Role</b>	Component's function in the system.
<b>Dependencies</b>	Components that depend on this component.
<b>Description</b>	Explanation of the functioning of the component.
<b>Data</b>	Input ( <i>in</i> ) and output ( <i>out</i> ) data of the component.
<b>Origin</b>	Software requirements that derived the component.

Table 12: Component ‘Carro’

<b>Carro</b>	
<b>Role</b>	Ser robado
<b>Dependencies</b>	N/A
<b>Description</b>	Es mu bonito, pero propenso a ser robado.
<b>Data</b>	<ul style="list-style-type: none"> <li>• <b>in:</b> gente</li> <li>• <b>out:</b> más gente</li> </ul>
<b>Origin</b>	SR-01