Indicator \ level	Inadequate	Needs improvement	Adequate
Use of the design and implementation methodology			
Identification	• The description of the problem is a verbatim copy of the description from the assignment.	• The description of the problem is a verbatim copy of the description from the assignment. • A brief analysis of the viability of the construction of a KBS for the problem is included. • A clear description of the goals of the problem and the expected results from the system to be implemented is included.	• The description of the problem is more elaborated than the one from the description of the assignment • A detailed analysis of the viability of the construction of a KBS for the problem is included. • The identification of the knowledge sourcesis included. • A clear description of the goals of the problem and the expected results from the system to be implemented is included.
Conceptualization	• There is no description of the concepts involved in the domain conceptualization. • There is no description of the problems and subproblems involved in the resolution of the problem. • There is no informal description of the whole resolution process.	• Description of the concepts of the domain. • Brief description of the problems and subproblems involved in the resolution of the problem.	• Description of the concepts of the domain. • Detailed description of the problems and subproblems involved in the resolution of the problem. • Informal description of the whole resolution problem and how the problems and subproblems participate in the resolution.

level / Indicator	Inadequate	Needs improvement	Adequate
Formalization	• There is no explanation about how the ontology has been built. • The ontology has a few concepts, a few simple attributes and no relations. • The ontology is not documented. • There are no algorithmic explanation about what each identified subproblem does. • There is neither an explanation about what problem resolution methodology is more adequate nor a description about how the subproblems identified are embedded in the methodology steps.	• There is a brief explanation about how the ontology has been built. • The ontology includes most of the relevant concepts, a few simple attributes and some relations. • The documentation of the ontology is superficial (only is stated what each concept means). • There is a detailed algorithmic description of each identified subproblem. • The more adequate problem resolution methodology is only mentioned.	• There is a detailed explanation about how the ontology has been built. • The ontology includes all the relevant concepts, all the necessary attributes and all the relevant relations. • The documentation of the ontology is detailed (all the elements of the ontology are described), and a graph of the concepts hierarchy is included. • A detailed algorithmic description of each identified problem is included. • A justification of the problem resolution methodology is given and an explanation about how the subproblems identified are embedded in the methodology steps is included.
Implementation	• The ontology is implemented inadequately. • The resolution of the problem is not modularized. • The representation of the resolution process using rules **does not** follow the steps of the chosen problem resolution methodology. • No development methodology has been used.	• The ontology is implemented adequately. • The resolution of the problem is not modularized. • The representation of the resolution process using rules follows the steps of the chosen problem resolution methodology. • The development methodology is not incremental and no intermediate prototypes has been implemented.	• The ontology is implemented adequately. • The resolution of the problem is modularized following the identified subproblems. • The representation of the resolution process using rules follows the steps of the chosen problem resolution methodology. • An incremental development methodology has been used, intermediate prototypes have been implemented and all this is adequately described in the documentation.

level / Indicator	Inadequate	Needs improvement	Adequate
Testing			
Coverage	• A few test cases (<4) and all very similar. • There is no explanation about how the test cases have been chosen.	• A few test cases (≥4,<6) but fairly different. • Only the use cases used in the development have been tested. • There is no explanation about how the test cases have been chosen.	• Many test cases (≥6) and fairly different. • Some test cases are different from the use cases used in the development. • There is an explanation about how the test cases have been chosen.
Explanations	• Only the raw output is included.	• The output is included and only a brief explanation of the results is included.	• The output is included and the results are adequately explained from the inputs of the test and the knowledge that the system has.
CLIPS implementation			
Knowledge of the language	• Mainly unordered facts are used. • The rules are not organized. • Use of global variables.	• Deftemplates and objects are used. • There are modules and basic control mechanisms. • The consequent of the rules does almost everything and the rule declarative paradigm is not used.	• Deftemplates and objects are used. • There are modules and elaborated control mechanisms. • The implementation uses deduction chains and uses the rule declarative paradigm.
Quality of the solution			
Coverage	• Superficial coverage, only the simplest cases are treated.	• Average coverage, only the most common cases are treated.	• Advanced coverage, common cases and exceptions are both treated.
Documentation	• Bad presentation, no coherently structured, explanations difficult to understand, careless.	• Passable presentation, coherently structured, not much elaborated explanations, imprecise and vague.	• Good presentation, adequately structured and following the steps of the development methodology, well elaborated explanations, concise and precise.