

# LAM custom forms

## Custom form for property shape

```
prefix xsd:    <http://www.w3.org/2001/XMLSchema#>
prefix rdf:    <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
prefix dct:    <http://purl.org/dc/terms/>
prefix coda:   <http://art.uniroma2.it/coda/contracts/>
prefix skosxl: <http://www.w3.org/2008/05/skos-xl#>
prefix codaImpl: <http://art.uniroma2.it/coda/converters/>
prefix evvoc:  <http://publications.europa.eu/ontology/evvoc#>
prefix sh:     <http://www.w3.org/ns/shacl#>
prefix cdm:    <http://publications.europa.eu/ontology/cdm#>
prefix lam:    <http://publications.europa.eu/resources/authority/lam/>

rule it.uniroma2.art.semanticturkey.customform id:lamShape {
  nodes = {
    shapeId uri(coda:randIdGen("sh", {})) .
    path uri userPrompt/path_uri .
    lang literal userPrompt/lang .
    nameLiteral literal(coda:langString($lang)) userPrompt/name .
    descriptionLiteral literal(coda:langString($lang)) userPrompt/description .
    minCar literal^^xsd:integer userPrompt/minimum_cardinality .
    maxCar literal^^xsd:integer userPrompt/maximum_cardinality .
    rangeClass uri userPrompt/range_class .
    rangeDatatype uri userPrompt/range_data_type .
    rangeValue literal userPrompt/has_value .
    annotatedWithProperty uri userPrompt/annotated_with_property .
    annotationPropertyRange uri userPrompt/range_of_annotation_property .
  }
  graph = {
    $shapeId a sh:PropertyShape .
    $shapeId sh:path $path .
    $shapeId sh:name $nameLiteral .

    OPTIONAL{
      $shapeId sh:description $descriptionLiteral .
      $shapeId sh:minCount $minCar .
      $shapeId sh:maxCount $maxCar .

      $shapeId sh:hasValue $rangeClass .
      $shapeId sh:hasValue $rangeDatatype .
      $shapeId sh:hasValue $rangeValue .
      $shapeId sh:hasValue $annotatedWithProperty .
      $shapeId sh:hasValue $annotationPropertyRange .
    }
  }
}
```