4.43 - Questions – Item, Grid, and Block

As the complexity of question structures increase, three general question structures have been identified within DDI and are addressed by the following structures: QuestionItem, QuestionGrid, and QuestionBlock. Note that all three structures reflect the reusable structure of various question types and do not relay any information on the applied use of the question within an instrument. The applied information, including question order, is captured by the ControlConstruct structures used by the Instrument. All question structures are maintained within a QuestionScheme and can be further organized for administrative purposes by QuestionGroup (a standard grouping structure available in most schemes). Only QuestionItem, QuestionGrid, and QuestionBlock may be referenced by a QuestionConstruct. A Sequence (type of ControlConstruct) is used to order questions within an instrument and is maintained separately as a reusable object. All question structures are versionable and contain a name for the question. All response domains may be described inline while a set of commonly used structures may be captured as managed representations and be reused by reference. These include Missing Values, Text, Numeric, DateTime, and Scale (see Section 4.51 for details on all value representations and response domains).

|  |  |
| --- | --- |
| **QuestionItem** | |
| *Namespace:* **d**  *Parent Maintainable:* **QuestionScheme** | **Versionable** |
| *Required Referenced Objects:* | *Optionally Referenced Objects:*  Category  Code  Concept  Delineation  InterviewerInstruction  ManagedMissingValuesRepresentation  ManagedTextRepresentation  ManagedNumericRepresentation  ManagedDateTimeRepresentation  ManagedScaleRepresentation |
| QuestionItem  Extension base: Versionable  QuestionItemName (0..n)  r:InParameter (0..n)  r:OutParamter (0..n)  r:Binding (0..n)  QuestionText (0..n)  QuestionIntent (0..1)  CHOICE (0..1)  CHOICE  ResponseDomain  ResponsedomainReference  ENDCHOICE  StructuredMixedResponseDomain  CHOICE (2..n)  ResponseText  ResponseDomainInMixed  CHOICE (1..1)  ResponseDomain  ResponseDomainReference  ENDCHOICE  AttachementLocation (0..1)  CHOICE (1..n)  r:CodeReference  r:CategoryReference  DomainSpecificValue  r:Value (1..n)  @attachementDomain (optional)  ENDCHOICE  @attachementBase (optional)  ENDCHOICE  ENDCHOICE  ResponseCardinality (0..1)  @minimumResponses  @maximumResponses  r:ConceptReference (0..n)  ExternalAid (0..n)  CHOICE (0..n)  ExternalInterviewerInstruction  InterviewerInstructionReference  ENDCHOICE  @estimatedMinutesResponseTime (optional) | |

A QuestionItem is a basic question containing a QuestionIntent, the concept being measured by the question, text for the question, response domain information, clarifying instructions, external aids (clarifying objects used in presenting the question to the respondent), Input and Output Parameters and Bindings, allowed response cardinality and an estimation of the time required to respond. The QuestionText is a DynamicTextString. Note that due to the variation of content in the QuestionText that is required to illicit equivalent responses in different languages, QuestionText is repeatable. A StructuredMixedResponseDomain supports situations where a response may include more than one type of response domain. This could be the inclusion of a set of Missing Values (responses that capture non-response and other values to be treated as invalid during analysis), or the commonly used addition of a text response to capture specific information when the code or category response is “Other”. StructuredMixedResponse allows for the addition of text and/or another response domain to be attached to one or more values of the primary response domain as well as stacking combinations of response options with intervening text.

### QuestionItem Examples:

1. A generic simple QuestionItem managed within a QuestionScheme (link)
2. A question with a StructuredMixedResponseDomain (link)

|  |  |
| --- | --- |
| **QuestionGrid** | |
| *Namespace:* **d**  *Parent Maintainable:* **QuestionScheme** | **Versionable** |
| *Required Referenced Objects:* | *Optionally Referenced Objects:*  Category  Code  Concept  Delineation  InterviewerInstruction  ManagedMissingValuesRepresentation  ManagedTextRepresentation  ManagedNumericRepresentation  ManagedDateTimeRepresentation  ManagedScaleRepresentation |
| QuestionGrid  Extension base: Versionable  QuestionGridName (0..n)  r:InParameter (0..n)  r:OutParamter (0..n)  r:Binding (0..n)  QuestionText (0..n)  QuestionIntent (0..1)  GridDimension (0..n)  CHOICE (1..1)  CodeDomain  Roster  r:Label (0..1)  ConditionForContinuation (0..1)  @baseCodeValue (required)  @codeInterationValue (required)  @minimumRequired default=”1”  @maximumAllowed default=”1”  ENDCHOICE  @rank (required)  @displayCode default=”true”  @displayLabel default=”true”  CHOICE (0..1)  CHOICE  ResponseDomain  ResponsedomainReference  ENDCHOICE  StructuredMixedGridResponseDomain  CHOICE (0..n)  GridResponseDomain  CHOICE (1..1)  ResponseDomain  ResponseDomainReference  ENDCHOICE  GridAttachement (0..n)  CHOICE (0..n)  SpecificCellCoordinate  CellCoordinatesAsDefined  SelectDimension (0..n)  @rank (required)  @allValues  @specificValue  @rangeMinimum  @rangeMaximum  ENDCHOICE  @allCells default=”false”  NoDataByDefinition  ENDCHOICE  ENDCHOICE  CellLabel (0..n)  Extension base: r:LabelType  Attachement (0..n)  CHOICE (0..n)  SpecificCellCoordinate  CellCoordinatesAsDefined  SelectDimension (0..n)  @rank (required)  @allValues  @specificValue  @rangeMinimum  @rangeMaximum  ENDCHOICE  @allCells default=”false”  r:ConceptReference (0..n)  ExternalAid (0..n)  CHOICE (0..n)  ExternalInterviewerInstruction  InterviewerInstructionReference  ENDCHOICE  @estimatedMinutesResponseTime (optional) | |

A QuestionGrid provides a multidimensional structure used to capture a complex response. In many cases these are simple structures, for example a question regarding an assessment of each of a list of candidates for political office. However, some grids are complex and capture different responses for each of a list of items. In addition, the list may be provided by the question or by the respondent (indicated by the use of a “roster” of blank text items). A QuestionGrid contains the basic elements of the QuestionItem but rather than a ResponseDomain or StructuredMixedResponseDomain contains a GridDimension that sorts one or more ResponseDomains or StructuredMixedGridResponseDomains into a specific dimension of the grid. The structure is similar to the NCube dimensional structure using code domain or roster rather than variables to structure the dimension, and then providing a response domain for each cell in the grid. A single ResponseDomain indicates that this is the response domain for each cell in the grid. Note that an internal cell label may be added to any cell for clarification purposes.

#### QuestionGrid Examples:

1. A simple QuestionGrid capturing a scale response for each of 3 candidates (link)
2. A QuestionGrid using a roster to capture the categories for which responses are gathered (link)
3. A complex QuestionGrid with cell labels and secondary responses for specific responses (link)

|  |  |
| --- | --- |
| **QuestionBlock** | |
| *Namespace:* **d**  *Parent Maintainable:* **QuestionScheme** | **Versionable** |
| *Required Referenced Objects:* | *Optionally Referenced Objects:*  Concept  Delineation  InterviewerInstruction  QuestionItem  QuestionGrid |
| QuestionBlock  Extension base: Versionable  QuestionBlockName (0..n)  r:InParameter (0..n)  r:OutParamter (0..n)  r:Binding (0..n)  QuestionBlockIntent (0..1)  CHOICE (0..n)  StimulusMaterial  QuestionItemReference  QuestionGridReference  ENDCHOICE  QuestionSequence (0..n)  ResponseCardinality (0..1)  @minimumResponses  @MaximumResponses  r:ConceptReference (0..n)  ExternalAid (0..n)  CHOICE (0..n)  ExternalInterviewerInstruction  InterviewerInstructionReference  ENDCHOICE  @estimatedMinutesResponseTime (optional) | |

A QuestionBlock is intended to bundle together a set of questions (items and/or grids) that have meaning only in relation to a specified object expressed as the stimulus material. This form of question set is common in educational testing where a text, image, or other material is provided and the respondent is asked questions specific to the material. For example, a portion of a play script is provided and the respondent is asked question concerning the dialog and/or stage directions provided in the script. Note that the intent of QuestionBlock is NOT to bundle together a set of questions that are commonly used together or used in a specified order. A Sequence (type of control construct) is the appropriate way to manage this type of set relationship. It is assumed that one or more StimulusMaterial objects will be used. The 0..n cardinality of the CHOICE of StimulusMaterial, QuestionItemReference, and QuestionGridReference is provided simply to support the use of DDI during the development process when this piece of information may be unavailable. StimulusMaterial is part of this choice to allow for its insertion at any location before, after, or in the midst of the referenced Questions.

QuestionBlock contains the standard elements of QuestionItem and QuestionGrid and then structures any combination of StimulusMaterial with referenced QuestionItems and QuestionGrids. It allows for an indication of QuestionSequence (i.e., a means of declaring the sequence is important or that it can be randomized or otherwise altered).

#### QuestionBlock Examples:

1. A QuestionBlock organizing QuestionItems and QuestionGrids managed within a QuestionScheme. The example reflects the contents of a question block from PISA (educational test: TAKE THE TEST: SAMPLE QUESTIONS FROM OECD’S PISA ASSESSMENTS - ISBN 978-92-64-05080-8 - © OECD 2009) depicting an extract from a script, a list of technical terms, and a drawing of a stage set along with questions related to the activities and positions of actors during the play. The related category, code and delineation information is provided for clarity. (link)

EXAMPLE:

<g:ResourcePackage isMaintainable="true" versionDate="2012-09-18" scopeOfUniqueness="Maintainable">

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<r:URN>urn:ddi:us.mpc:ResourcePkg\_QBlock:1</r:URN>

<d:QuestionScheme scopeOfUniqueness="Maintainable" isMaintainable="true">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS:1</r:URN>

<d:QuestionSchemeName><r:String xml:lang="en-us">Questions for PISA</r:String></d:QuestionSchemeName>

<r:Description><r:Content xml:lang="en-us"></r:Content></r:Description>

<d:QuestionItem isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_1:1</r:URN>

<d:QuestionText><d:LiteralText><d:Text>What is the extract from the play about? The duchess thinks of a trick</d:Text></d:LiteralText></d:QuestionText>

<d:CodeDomain>

<r:CodeDelineationReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>CodeDelineation</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:CodeDS\_PISA.Del\_1:1</r:URN>

</r:CodeDelineationReference>

</d:CodeDomain>

</d:QuestionItem>

<d:QuestionItem isVersionable="true" scopeOfUniqueness="Maintainable">

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<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_2:1</r:URN>

<d:QuestionText><d:LiteralText><d:Text><xhtml:div><xhtml:p>A. In the script of the play, in addition to the words to be spoken by the actors, there are directions for the actors and theatre technicians to follow.</xhtml:p><xhtml:p>B. How can these directions be recognized in the script?</xhtml:p></xhtml:div></d:Text></d:LiteralText></d:QuestionText>

<d:TextDomain>

<r:TextDelineationReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>TextDelineation</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:TextDS\_PISA.Del\_1:1</r:URN>

</r:TextDelineationReference>

</d:TextDomain>

</d:QuestionItem>

<d:QuestionItem isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_3:1</r:URN>

<d:QuestionText><d:LiteralText><d:Text><xhtml:div><xhtml:p>The director positions the actors on the stage. On a diagram, the director represents Amanda with the letter A and the Duchess with the letter D.</xhtml:p><xhtml:p>Put an A and a D on the following diagram of the set to show approximately where Amanda and the Duchess are when the Prince arrives.</xhtml:p></xhtml:div></d:Text></d:LiteralText></d:QuestionText>

<d:LocationDomain>

<r:LocationDelineationReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>LocationDelineation</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:LocationDS\_PISA.Del\_1:1</r:URN>

</r:LocationDelineationReference>

</d:LocationDomain>

<d:ExternalAid isIdentifiable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.EXT\_1:1</r:URN>

<r:TypeOfMaterial>Image</r:TypeOfMaterial>

<r:ExternalURNReference>stageimage.pdf</r:ExternalURNReference>

</d:ExternalAid>

</d:QuestionItem>

<d:QuestionItem isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_4:1</r:URN>

<d:QuestionText><d:LiteralText><d:Text>Towards the end of the extract from the play, Amanda says, "He didn't recognise me...". What does she mean by that?</d:Text></d:LiteralText></d:QuestionText>

<d:CodeDomain>

<r:CodeDelineationReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>CodeDelineation</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:CodeDS\_PISA.Del\_3:1</r:URN>

</r:CodeDelineationReference>

</d:CodeDomain>

</d:QuestionItem>

<d:QuestionGrid isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.QG\_1:1</r:URN>

<d:QuestionText><d:LiteralText><d:Text>The table below lists theatre technicians involved in staging this extract from Léocadia. Complete the table by indicating one stage direction from Text 1 which would require the involvement of each technician. The first one has been done for you.</d:Text></d:LiteralText></d:QuestionText>

<d:GridDimension rank="1" displayCode="false" displayLabel="true">

<d:CodeDomain>

<r:CodeDelineationReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>CodeDelineation</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:CodeDS\_PISA.Del\_2:1</r:URN>

</r:CodeDelineationReference>

</d:CodeDomain>

</d:GridDimension>

<d:GridDimension rank="2">

<d:Roster baseCodeValue="1" minimumRequired="1" maximumAllowed="1" codeIterationValue="1">

<r:Label><r:Content xml:lang="en-us">Stage direction</r:Content></r:Label>

</d:Roster>

</d:GridDimension>

<d:StructuredMixedGridResponseDomain>

<d:NoDataByDefinition>

</d:NoDataByDefinition>

<d:GridResponseDomain>

<d:TextDomain>

<r:TextDelineationReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>TextDelineation</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:TextDS\_PISA.Del\_1:1</r:URN>

</r:TextDelineationReference>

</d:TextDomain>

<d:Attachment>

<d:CellCoordinatesAsDefined>

<d:SelectDimension rank="1" rangeMinimum="2" rangeMaximum="4"/>

<d:SelectDimension rank="2" allValues="true"/>

</d:CellCoordinatesAsDefined>

</d:Attachment>

</d:GridResponseDomain>

</d:StructuredMixedGridResponseDomain>

<d:CellLabel>

<r:Content xml:lang="en-us">A circular bench around a small obelisk</r:Content>

<d:Attachment>

<d:SpecificCellCoordinate>1,1</d:SpecificCellCoordinate>

</d:Attachment>

</d:CellLabel>

</d:QuestionGrid>

<d:QuestionBlock isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.QB\_1:1</r:URN>

<d:StimulusMaterial isIdentifiable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.Eval\_1:1</r:URN>

<r:TypeOfMaterial>Image</r:TypeOfMaterial>

<r:ExternalURNReference>ScriptText1.pdf</r:ExternalURNReference>

</d:StimulusMaterial>

<d:StimulusMaterial isIdentifiable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:PISA\_QS.Eval\_2:1</r:URN>

<r:TypeOfMaterial>Image</r:TypeOfMaterial>

<r:ExternalURNReference>ScriptText2.pdf</r:ExternalURNReference>

</d:StimulusMaterial>

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<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_1:1</r:URN>

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<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_3:1</r:URN>

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<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>QuestionItem</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:PISA\_QS.QI\_4:1</r:URN>

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</d:QuestionBlock>

</d:QuestionScheme>

<l:CategoryScheme scopeOfUniqueness="Maintainable" isMaintainable="true">

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<r:URN>urn:ddi:us.mpc:CS\_PISA\_1:1</r:URN>

<l:CategorySchemeName><r:String xml:lang="en-us">Trick</r:String></l:CategorySchemeName>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_1.Cat\_1:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Attract Prince</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">to get the Prince to come and see her more often.</r:Content></r:Label>

</l:Category>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_1.Cat\_2:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Prince Decision</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">to get the Prince to make up his mind finally to get married</r:Content></r:Label>

</l:Category>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

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<r:Label><r:Content xml:lang="en-us">to get Amanda to make the Prince forget his grief.</r:Content></r:Label>

</l:Category>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

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<r:URN>urn:ddi:us.mpc:CS\_PISA\_1.Cat\_4:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Amanda move to castle</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">to get Amanda to come and live at the castle with her.</r:Content></r:Label>

</l:Category>

</l:CategoryScheme>

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<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

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<l:CategoryName><r:String xml:lang="en-us">Set designer</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">Set designer</r:Content></r:Label>

</l:Category>

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<r:Label><r:Content xml:lang="en-us">Props manager</r:Content></r:Label>

</l:Category>

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<r:Label><r:Content xml:lang="en-us">Sound technician</r:Content></r:Label>

</l:Category>

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<r:URN>urn:ddi:us.mpc:CS\_PISA\_2.Cat\_4:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Lighting technician</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">Lighting technician</r:Content></r:Label>

</l:Category>

</l:CategoryScheme>

<l:CategoryScheme scopeOfUniqueness="Maintainable" isMaintainable="true">

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<r:URN>urn:ddi:us.mpc:CS\_PISA\_3:1</r:URN>

<l:CategorySchemeName><r:String xml:lang="en-us">Amanda intent</r:String></l:CategorySchemeName>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_3.Cat\_1:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Didn't look</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">That the Prince didn't look at Amanda.</r:Content></r:Label>

</l:Category>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_3.Cat\_2:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Didn't recognize status</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">That the Prince didn't realise that Amanda was a shop assistant.</r:Content></r:Label>

</l:Category>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_3.Cat\_3:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Didn't recognize past meeting</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">That the Prince didn't realise that he'd already met Amanda.</r:Content></r:Label>

</l:Category>

<l:Category isVersionable="true" scopeOfUniqueness="Maintainable">

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_3.Cat\_4:1</r:URN>

<l:CategoryName><r:String xml:lang="en-us">Didn't see resemblance</r:String></l:CategoryName>

<r:Label><r:Content xml:lang="en-us">That the Prince didn't notice that Amanda looked like Léocadia.</r:Content></r:Label>

</l:Category>

</l:CategoryScheme>

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<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:URN>urn:ddi:us.mpc:CodeS\_QBlock:1</r:URN>

<l:CodeListSchemeName><r:String xml:lang="en-us">Code Lists for PISA</r:String></l:CodeListSchemeName>

<l:CodeList scopeOfUniqueness="Maintainable" isMaintainable="true">

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<r:RecommendedDataType>Character</r:RecommendedDataType>

<r:CategorySchemeReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>CategoryScheme</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_1:1</r:URN>

</r:CategorySchemeReference>

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<l:CategoryReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>Category</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_1.Cat\_1:1</r:URN>

</l:CategoryReference>

<r:Value>A</r:Value>

</l:Code>

<l:Code isDiscrete="true" scopeOfUniqueness="Maintainable" isIdentifiable="true">

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<r:URN>urn:ddi:us.mpc:PISA\_CL\_1.C\_2:1</r:URN>

<l:CategoryReference>

<r:TypeOfIdentifier>Canonical</r:TypeOfIdentifier>

<r:TypeOfObject>Category</r:TypeOfObject>

<r:URN>urn:ddi:us.mpc:CS\_PISA\_1.Cat\_2:1</r:URN>

</l:CategoryReference>

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</l:CategoryReference>

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</l:Code>

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</l:CodeListScheme>

<r:TextDelineationScheme scopeOfUniqueness="Maintainable" isMaintainable="true">

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</r:TextDelineation>

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<r:LocationDelineationScheme scopeOfUniqueness="Maintainable" isMaintainable="true">

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<r:Object>Image</r:Object>

<r:Action>

<r:RegionOfAction>

<r:ImageArea>

<r:Shape>Rectangle</r:Shape>

<r:Coordinates>[define the coordinate points of the response area]</r:Coordinates>

</r:ImageArea>

</r:RegionOfAction>

<r:Description><r:Content xml:lang="en-us">Place the letter A within the defined Image Area</r:Content></r:Description>

</r:Action>

<r:Action>

<r:RegionOfAction>

<r:ImageArea>

<r:Shape>Rectangle</r:Shape>

<r:Coordinates>[define the coordinate points of the response area]</r:Coordinates>

</r:ImageArea>

</r:RegionOfAction>

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</r:Action>

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</r:LocationDelineationScheme>

</g:ResourcePackage>