Prepared for: 

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by: 

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Smarter Balanced Reporting

Data Specification Format

Individual Item Response Data

Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Representing** | **Date** | **Author** | **Status** |
| Consortium |  | Joe Willhoft |  |
| Consortium | 2014.06.09 | Brandt Redd |  |
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Revision History

|  |  |  |
| --- | --- | --- |
| **Revision Description** | **Author/Modifier** | **Date** |
| Initial Release (DRAFT) | Nik Estep (Amplify) | 2014.06.03 |
| Milestone 7 Update | Stanley Chung (Amplify) | 2014.12.23 |

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## Item Level Data Dictionary

For each assessment record, the set of responses that the student submitted to the items they were presented with is stored separately for external analysis.

Item Level data is composed of a set of CSV files. CSV files are comma delimited, but do not contain a header row as the first row. Each CSV file contains the item level responses for one student taking one test, also known as an assessment opportunity.

## Item Level CSV data format

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Description** | **Width (chars)** | **Required** | **Acceptable Values** | **Data Type** | **References** |
| key | Identifier for an individual item, as set by the Item Authoring system | 40 | Y | 40 alphanumeric characters allowed, expected to be GUID | xsd:token | <https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=3623>  CEDS Element ID 000630 |
| studentId | Identifier for the student (repeated in each row, but will not change within a single file) | 50 | Y | 50 alphanumeric characters allowed | xsd:token | <https://ceds.ed.gov/CEDSElementDetails.aspx?TermxTopicId=20775>  CEDS Element ID 001071 |
| segmentId | Test segment the item was administered on | 250 | Y | 250 alphanumeric characters allowed | xsd:token |  |
| position | Ordinal position of the item on the test |  | N | Positive 32-bit integer, null allowed | xsd:unsignedInt |  |
| clientId | Identifier for an individual item, as set by the client | 80 | Y | 80 alphanumeric characters allowed | xsd:token |  |
| operational | 1 if test item is operational, 0 if test item is field test | 1 | Y | 0, 1 | xsd:boolean |  |
| isSelected | 1 if the student submitted their response for scoring, 0 if they did not | 1 | Y | 0, 1 | xsd:boolean |  |
| format | Type for the given item | 250 | Y | associateInteraction  choiceInteraction  customInteraction  drawingInteraction  endAttemptInteraction  extendedTextInteraction  gapMatchInteraction  graphicAssociateInteraction  graphicGapMatchInteraction  graphicOrderInteraction  hotspotInteraction  hottextInteraction  inlineChoiceInteraction  matchInteraction  mediaInteraction  orderInteraction  positionObjectInteraction  selectPointInteraction  sliderInteraction  textEntryInteraction  uploadInteraction  EBSR  EQ  ER  GI  HT  HTQ  MC  MI  MS  NL  SA  TI  TUT  WER  WORDLIST  Stimulus | xsd:token | <https://ceds.ed.gov/CEDSElementDetails.aspx?TermxTopicId=21603>  CEDS Element ID 001158 |
| score | Number of score points earned by the student, or -1 if the item is not scored |  | Y | Unsigned float, -1 allowed | xsd:float |  |
| scoreStatus | Provided by independent item scoring engine |  | Y | NOTSCORED  SCORED  SCORINGERROR  WAITINGFORMACHINESCORE | xsd:token |  |
| adminDate | Date and time item was administered to student |  | Y | Date + Time | xsd:datetime | <https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=3960>  CEDS Element ID 000959 |
| numberVisits | Number of times the student modified their response to the item |  | Y | Positive 32-bit integer | xsd:unsignedInt |  |
| strand | Top level strand in the strand hierarchy the item is on | 150 | Y | 150 alphanumeric characters allowed | xsd:token |  |
| contentLevel | Lowest level strand in the strand hierarchy the item is part of | 150 | Y | 150 alphanumeric characters allowed | xsd:token |  |
| pageNumber | Number of the (online) page the item appears on |  | Y | Positive 32-bit integer | xsd:unsignedInt |  |
| pageVisits | Number of times the student visited the (online) page this item is on |  | Y | Positive 32-bit integer | xsd:unsignedInt |  |
| pageTime | Time (in milliseconds) the student spent on the (online) page this item is on |  | Y | Signed 32-bit integer | xsd:int |  |
| dropped | 1 if the item is active, 0 if the item has been inactivated (“dropped”) | 1 | Y | 0, 1 | xsd:boolean |  |