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| --- | --- | --- | --- | --- | --- | --- |
| S/N | Description | Test Inputs | Test procedure | Expected results | Actual results | PASS/FAIL |
| 1 | Test if bootstrap is successfully run. | file: data-valid.zip | Select the file from local computer and press upload | {  "status": "success",  "num-record-loaded":  [  { "bid.csv": 23 },  { "course.csv": 24 },  { "course\_completed.csv": 3 },  { "prerequisite.csv": 8 },  { "section.csv": 35 },  { "student.csv": 26 }  ] } | { "status": "failed", "num-record-loaded": [ { "bid.csv": 0 }, { "course.csv": 24 }, { "course\_completed.csv": 0 }, { "prerequisite.csv": 0 }, { "section.csv": 0 }, { "student.csv": 0 } ] } | FAIL |
| 2 | Test bootstrap using a wrong zip file | File:  Random.zip | Upload the wrong file | {  “status”:”FAILed”  “message”:”Invalid zip file uploaded”  } | java.lang.NullPointerException | FAIL |
| 3 | Test JSON response when parsing bid.csv with errors:   * blank userid * blank amount * blank code * blank section | File: data\_bidmodified.zip | Upload the zip file | {  "status": "error",    "error":  [  {  "file": "bid.csv",  "line": "6",  "message": [ "userid field is blank" ]  },  {  "file": "bid.csv",  "line": "8",  "message": [ "amount field is blank" ] },  {  "file": "bid.csv",  "line": "10",  "message": [ "code field is blank" ]  },  {  "file": "bid.csv",  "line": "13",  "message": [ "section field is blank" ]  }  ]  } | ERROR!!!  NullPointerException Validator line: 504 | FAIL |
| 4 | Test JSON response when parsing course.csv with errors:   * blank course * blank school * blank title * blank description * blank exam date * blank exam start * blank end. | File:  data\_coursemodified.zip | Upload zip file | {  "status": "error",    "error": [  {  "file": "course.csv",  "line": "2",  "message": ["course field is blank"]  },  {  "file": "course.csv",  "line": "3",  "message": ["school field is blank"]  },  {  "file": "course.csv",  "line": "4",  "message": ["title field is blank"]  },  {  "file": "course.csv",  "line": "5",  "message": ["description field is blank"]  },  {  "file": "course.csv",  "line": "7",  "message": ["exam date field is blank"]  },  {  "file": "course.csv",  "line": "8",  "message": ["exam start field is blank"]  },  {  "file": "course.csv",  "line": "10",  "message": ["exam end field is blank"]  }, | { "status": "error",  "error": [ { "file":0020"course.csv", "line": "2", "message": [ "course field is blank" ] }, { "file": "course.csv", "line": "3", "message": [ "school field is blank" ] }, { "file": "course.csv", "line": "4", "message": [ "title field is blank" ] }, { "file": "course.csv", "line": "5", "message": [ "description field is blank" ] }, { "file": "course.csv", "line": "7", "message": [ "exam date field is blank" ] }, { "file": "course.csv", "line": "8", "message": [ "exam start field is blank" ] }, { "file": "course.csv", "line": "10", "message": [ "exam end field is blank" ] } | PASS |
|  | Test JSON response when parsing course.csv with errors:   * invalid start date * invalid end date | File:  data\_coursemodified2.zip | Upload zip file | |  | | --- | | { | |  | "status": "error", | |  | "num-record-loaded": [ | |  | { | |  | "bid.csv": 23 | |  | }, | |  | { | |  | "course.csv": 22 | |  | }, | |  | { | |  | "course\_completed.csv": 3 | |  | }, | |  | { | |  | "prerequisite.csv": 5 | |  | }, | |  | { | |  | "section.csv": 32 | |  | }, | |  | { | |  | "student.csv": 26 | |  | } | |  | ], | |  | "error": [ | |  | { | |  | "file": "course.csv", | |  | "line": "8", | |  | "message": [ | |  | "invalid exam end" | |  | ] | |  | }, | |  | { | |  | "file": "course.csv", | |  | "line": "10", | |  | "message": [ | |  | "invalid exam end" | |  | ] | |  | }, | | "error": [ { "file": "course.csv", "line": "8", "message": [ "invalid exam end" ] }, { "file": "course.csv", "line": "10", "message": [ "invalid exam end" ] } | PASS |
| 5 | Test JSON response when parsing section.csv with errors:   * blank section * blank day * blank start * blank end * blank size | File:  data\_v2\_sectionModified.zip | Upload zip file | "status": "error",  "error": [ {  "file": "section.csv",  "line": "2",  "message": [ "course field is blank" ] },  {  "file": "section.csv",  "line": "3",  "message": [ "section field is blank" ] },  {  "file": "section.csv",  "line": "4",  "message": [ "day field is blank" ] },  {  "file": "section.csv",  "line": "5",  "message": [ "start field is blank" ] },  {  "file": "section.csv",  "line": "6",  "message": [ "end field is blank" ] },  {  "file": "section.csv",  "line": "7",  "message": [ "instructor field is blank" ] },  {  "file": "section.csv",  "line": "8",  "message": [ "venue field is blank" ] },  {  "file": "section.csv",  "line": "9",  "message": [ "size field is blank" ] } | "error": [ { "file": "section.csv", "line": "2", "message": [ "course field is blank" ] }, { "file": "section.csv", "line": "3", "message": [ "section field is blank" ] }, { "file": "section.csv", "line": "4", "message": [ "day field is blank" ] }, { "file": "section.csv", "line": "5", "message": [ "start field is blank" ] }, { "file": "section.csv", "line": "6", "message": [ "end field is blank" ] }, { "file": "section.csv", "line": "7", "message": [ "instructor field is blank" ] }, { "file": "section.csv", "line": "8", "message": [ "venue field is blank" ] }, { "file": "section.csv", "line": "9", "message": [ "size field is blank" ] } | PASS |
|  | Test JSON response when parsing section.csv with errors:   * invalid section * invalid day * invalid start * invalid end * invalid size | File:  data\_v2\_sectionModified2.zip | Upload zip file | {  "status": "error",  "error": [ {  "file": "section.csv",  "line": "2",  "message": [ "invalid section", "invalid start", "invalid end" ] },  {  "file": "section.csv",  "line": "3",  "message": [ "invalid day", "invalid size" ] } | "error": [ { "file": "section.csv", "line": "2", "message": [ "invalid section", "invalid start", "invalid end" ] }, { "file": "section.csv", "line": "3", "message": [ "invalid day", "invalid size" ] }, | PASS |
| 6 | Test JSON response when parsing student.csv with errors:   * duplicated userid * invalid e-dollar | File:  data\_v2\_studentModified.zip | Upload zip file | {  "status": "error",   "error": [ {  "file": "student.csv",  "line": "2",  "message": [ "duplicate userid" ] },  {  "file": "student.csv",  "line": "3",  "message": [ "duplicate userid", "invalid e-dollar" ] } | "error": [ { "file": "student.csv", "line": "2", "message": [ "duplicate userid" ] }, { "file": "student.csv", "line": "3", "message": [ "duplicate userid", "invalid e-dollar" ] } | PASS |
|  | Test JSON response when parsing student.csv with errors:   * blank userid * blank name * blank school * blank e-dollar | File:  data\_v2\_studentModified2.zip | Upload zip file | {  "status": "error",  "error": [ {  "file": "student.csv",  "line": "2",  "message": [ "userid field is blank", "edollar field is blank" ] },  {  "file": "student.csv",  "line": "3",  "message": [ "school field is blank" ] } | "error": [ { "file": "student.csv", "line": "2", "message": [ "userid field is blank", "edollar field is blank" ] }, { "file": "student.csv", "line": "3", "message": [ "school field is blank" ] } | PASS |
| 7 | Test JSON response when parsing prerequisite with errors:   * blank course * blank prerequisite | File:  data\_prerequisitemodified.zip | Upload zip file | {  "status": "error",  "error": [ {  "file": "prerequisite.csv",  "line": "2",  "message": [ "course field is blank" ] },  {  "file": "prerequisite.csv",  "line": "3",  "message": [ "prerequisite field is blank" ] } | "error": [ { "file": "prerequisite.csv", "line": "2", "message": [ "course field is blank" ] }, { "file": "prerequisite.csv", "line": "3", "message": [ "prerequisite field is blank" ] } | PASS |
|  | Test JSON response when parsing prerequisite with errors:   * Invalid course * invalid prerequisite | File:  data\_prerequisitemodified2.zip | Upload zip file | {  "status": "error",  "error": [ {  "file": "prerequisite.csv",  "line": "2", "message": [ "invalid course" ] },  {  "file": "prerequisite.csv",  "line": "3",  "message": [ "invalid prerequisite" ] } | "error": [ { "file": "prerequisite.csv", "line": "2", "message": [ "invalid course" ] }, { "file": "prerequisite.csv", "line": "3", "message": [ "invalid prerequisite" ] } | PASS |
| 8 | Test JSON response when parsing course\_completed with errors:   * invalid code | File: data\_v2\_compModified.zip | Upload zip file | "status": "error",  "error": [ {  "file":"course\_completed.csv",  "line": "5",  "message": [ "invalid code" ] } | "error": [ { "file": "course\_completed.csv", "line": "5", "message": [ "invalid code" ] } | PASS |