Bid Validation Test Cases

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S/N | Description | Test Inputs | Potential Test Data | Error Message | Expected Results | Actual Results | Pass/Fail |
| 1. | Validate if userid is also found in student.csv | Bid.csv | 1. Input a userid that is not found in student.csv into bid.csv   Eg carl.icahn.2015 | “invalid userid” |  |  |  |
| 2. | Validate that bid amount >= e$10.00 and not more than 2 decimal places. | Bid.csv | 1. -11 2. 9.99 3. 10.333 | “invalid amount” |  |  |  |
| 3. | Validate if course code is also found in course.csv | Bid.csv | 1. Input a course code that is not found in course.csv into bid.csv   Eg IS439 | “invalid code” |  |  |  |
| 4. | Validate if section code is also found in section.csv | Bid.csv | 1. Input a section code that is not found in section.csv into bid.csv   Eg MGMT111 S2 | “invalid section” |  |  |  |
| 5. | Validate all modules bidded by students in round 1 are from their own school | Bid.csv | 1. Input a bid for a module from eg SOB in round 1 by a student from SIS   Eg amy.ng.2009 bid for MGMT111 | “not own school course” |  |  |  |
| 6. | Validate that class timeslot for the section doesn’t clash with that of a previously bidded section | Bid.csv | 1. Input a value eg weekly class on Mondays 8.30 am and another class at the same weekly day and time     Eg ben.ng.2009 bidding for is100 and is106 which are at the same time | "class timetable clash" |  |  |  |
| 7. | Validate that exam timeslot for the section does not clash with that of a previously bidded section | Bid.csv | 1. Input a bid for a module with exam date and time at eg Monday,3.30pm which clashes with another exam date of a previously bidded section   Eg calvin.ng.2009 bidding for IS434 which has a exam that clashes with IS100 | “exam timetable clash” |  |  |  |
| 8. | Validate that student has completed the prerequisites required for the module bidded | Bid.csv | 1. Input a module to bid eg IS102 which has a prerequisite of IS101 that the student hasn’t completed   Eg amy.ng.2009 bidding for IS102, when student has not completed IS102 which is a prerequisite of IS103 | “incomplete prerequisites” |  |  |  |
| 9. | Validate that student has not completed the course that is bidded | Bid.csv | 1. Input a module to bid eg IS100 that the student has already completed   Eg amy.ng.2009 bidding IS100 which the student has already completed | “already completed” |  |  |  |
| 10. | Validate that that student hasn’t bidded for more than 5 sections | Bid.csv | 1. Input a 6th & 7th bid by the student   Eg amy.ng.2009 bidding for 7 modules | “section limit reached” |  |  |  |
| 11 | Validate that student has sufficient edollars to place bid. If it is an update of the previous bid, ensure that the amount from previous bid is gained back before bidding | Bid.csv | 1. Update bid to 25 for IS101 which was previously bided at 15. Assume that student had prior balance of 12 2. Bid 15 for IS001 when student has prior balance of 12 edollars | "not enough e-dollar" |  |  |  |

Wiki Validation:

List of validations for the bid.csv:

|  |  |
| --- | --- |
| "invalid userid" | the userid is not found in student.csv |
| "invalid amount" | the amount must be a positive number >= e$10.00 and not more than 2 decimal places. |
| "invalid code" | the course code is not found in the course.csv |
| "invalid section" | the section code is not found in the section.csv (this is only tested for valid course code) |

After which, perform the following list of logic validations:

|  |  |
| --- | --- |
| "not own school course" | This only happens in round 1 where students are allowed to bid for modules from their own school. |
| "class timetable clash" | The class timeslot for the section clashes with that of a previously bidded section. |
| "exam timetable clash" | The exam timeslot for this section clashes with that of a previously bidded section. |
| "incomplete prerequisites" | student has not completed the prerequisites for this course. |
| "already completed" | student has already completed this course. |
| "section limit reached" | student has already bidded for 5 sections. |
| "not enough e-dollar" | student has not enough e-dollars to place the bid. If it is an update of a previous bid for the same course, account for the e$ gained back from the cancellation |