Section Validation Test Cases

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| S/N | Function | Description | Test Inputs | Test Procedure | Expected Results | Actual Results | Pass/Fail |
| 1. | 2.1 | Validate if course is found in course.csv | Row:21  Field:course,”IS108”  File:  Course.csv, Section.csv | 1. Input course in Section csv that is not found in Course.csv | Display “invalid course” | Displayed “invalid course” | Pass |
| 2. | 2.1 | Validate that the first character should be an S followed by a positive numeric number (1-99). | Row:38  Field: section, “A11”  File:  Section.csv | Input section field In section.csv to contain alphabets in the csv file | Display “invalid section” | Displayed “invalid section” | Pass |
| 3. | 2.1 | Validate that the first character should be an S followed by a positive numeric number (1-99). | Row:39  Field: section, “S100”  File:  Section.csv | Input the section name to not be in the range of 1-99 in the csv file | Display “invalid section” | Displayed “invalid section” | Pass |
| 4. | 2.1 | Validate that the first character should be an S followed by a positive numeric number (1-99). | Row:40  Field: section, “99”  File:  Section.csv | Input the section name to not start with ‘s’ in the csv file. | Display “invalid section” | Displayed “invalid section” | Pass |
| 5. | 2.1 | Validate if day field is a number 1(inclusive) and 7(inclusive) | Row:41  Field: day, “9”  File:  Section.csv | Input the day to be more than 1-7 range in the csv file. | Display “invalid day” | Displayed “invalid day” | Pass |
| 6. | 2.1 | Validate if day field is a number 1(inclusive) and 7(inclusive) | Row:42  Field: day, “-1”  File:  Section.csv | Input the day to be a negative number in the csv file. | Display “invalid day” | Displayed “invalid day” | Pass |
| 4. | 2.1 | Validate if start time is in the format HH:mm(08:30,12:00.15:30) | Row:55  Field: start, “00:22”  File:  Section.csv | Input the start time to be in the format of hh:mm | Data should be added into the database | Data added into the database | pass |
| 5. | 2.1 | Validate if end time is in the format HH:mm and the end time should be later than start time | Row:54  Field: start” 12:00”, end “11:55”  File:  Section.csv | 1. Input start time as 12:00 and end time as 08:30 2. 11:55 | Display “invalid end” | Displayed “invalid end” | pass |
| 6. | 2.1 | Validate that the instructor field must not exceed 100 characters | Row:46  Field:instructor, “name >100char”  File:  Section.csv | 1. Check that instructor field is <= 100 characters | Display “invalid instructor” | Displayed “invalid instructor” | pass |
| 7. | 2.1 | Validate that the venue field must not exceed 100 characters | Row:53  Field:venue, “venue >100 char”  File:  Section.csv | 1. Check that venue field is <= 100 characters | Display “invalid venue” | Displayed “invalid venue | pass |
| 8. | 2.1 | Validate that section size is a positive numeric number | Row:48  Field:size, “-10”  File:  Section.csv |  | Display “invalid size” | Displayed “invalid size” | pass |
| 9. | 2.1 | Validate that section size is a positive numeric number | Row:49  Field:size, “aa”  File:  Section.csv |  | Display “invalid size” | Displayed “invalid size” | pass |
| 10. | 2.1 | Validate that venue for lesson does not clash with another lesson at the same timeslot | Row:2,5  Field:venue, Rm 2-1  File:  Section.csv | 1. Input another lesson at the same venue and same timeslot | Display “venue occupied” | Both section added into database | fail |
|  |  |  |  |  |  | 9/10  Pass |  |

Wiki Validations:

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| "invalid course" | the course is not found in the course.csv |
| "invalid section" | The first character should be an S followed by a positive numeric number (1-99). Check only if course is valid. |
| "invalid day" | The day field should be a number between 1(inclusive) and 7 (inclusive). 1 - Monday, 2 - Tuesday, ... , 7 - Sunday. |
| "invalid start" | the field must be in the format H:mm (8:30, 12:00, 15:30) |
| "invalid end" | the field must be in the format H:mm and the end time should be later than the start time. (11:45, 15:15, 18:45) |
| "invalid instructor" | the instructor field must not exceed 100 characters. |
| "invalid venue" | the venue field must not exceed 100 characters. |
| "invalid size" | the field must be a positive numeric number. |