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| S/N | Description | Test Procedure | Input Test Data | Error Message | Expected Results | Actual Results | Pass/Fail |
| 1 | Validate if all values required are entered | Postman:  User leave the all the fields required blank | URL: <http://localhost:8084/app/json/section-dump?r>={} | {  "status": "error",  "message": [  "missing course",  "missing section"  ]  } | Show error message | {  "status": "error",  "message": [  "missing course",  "missing section"  ]  } | Pass |
| 2 | Validate if course field is entered | Postman:  User leaves course field empty | URL: <http://localhost:8084/app/json/section-dump?r>={“section”:”S1”} | {  "status": "error",  "message": [  "missing course”  ]  } | Show error message | {  "status": "error",  "message": [  "missing course”  ]  } | Pass |
| 3 | Validate if section field is missing | Postman:  User leaves section field empty | URL: <http://localhost:8084/app/json/section-dump?r>={“course”:”IS100”} | {  "status": "error",  "message": [  "missing section”  ]  } | Show error message | {  "status": "error",  "message": [  "missing section”  ]  } | Pass |
| 4 | Validate if the course is blank | Postman:  User leaves course blank | URL: [http://localhost:8084/app/json/section-dump?r={“course](http://localhost:8084/app/json/section-dump?r=%7b)”:””, “section”:”S1”} | {  "status": "error",  "message": [  "blank course”  ]  } | Show error message | {  "status": "error",  "message": [  "blank course”  ]  } | Pass |
| 5 | Validate if the section is blank | Postman:  User leaves section blank | URL: [http://localhost:8084/app/json/section-dump?r={“course](http://localhost:8084/app/json/section-dump?r=%7b)”:”IS100”, “section”:””} | {  "status": "error",  "message": [  "blank section”  ]  } | Show error message | {  "status": "error",  "message": [  "blank section”  ]  } | Pass |
| 6 | Validate if the course is blank and section is missing | Postman:  User leaves course blank and section missing | URL: [http://localhost:8084/app/json/section-dump?r={“course](http://localhost:8084/app/json/section-dump?r=%7b)”:””} | {  "status": "error",  "message": [  "blank course”,  “missing section”  ]  } | Show error message | {  "status": "error",  "message": [  "blank course”,  “missing section”  ]  } | Pass |
| 7 | Validate if the course is missing and section is blank | Postman:  User leaves course empty and section blank | URL: http://localhost:8084/app/json/section-dump?r={“section”:””} | {  "status": "error",  "message": [  “missing course”,  "blank section”  ]  } | Show error message | {  "status": "error",  "message": [  “missing course”,  "blank section”  ]  } | Pass |
| 8 | Validate if both course and section are blank | Postman:  User leaves both course and section blank | URL: http://localhost:8084/app/json/section-dump?r={“course”:”” “section”:””} | {  "status": "error",  "message": [  “blank course”,  "blank section”  ]  } | Show error message | {  "status": "error",  "message": [  “blank course”,  "blank section”  ]  } | Pass |
| 9 | Validate if course is invalid | Postman:  User enters invalid course | URL: http://localhost:8084/app/json/section-dump?r={“course”:”IS972” “section”:”S1”} | {  "status": "error",  "message": [  “invalid course”,  ]  } | Show error message | {  "status": "error",  "message": [  “invalid course”,  ]  } | Pass |
| 10 | Validate if section is invalid | Postman:  User enters invalid section | URL: http://localhost:8084/app/json/section-dump?r={“course”:”IS100” “section”:”S100”} | {  "status": "error",  "message": [  “invalid section”,  ]  } | Show error message | {  "status": "error",  "message": [  “invalid section”,  ]  } | Pass |
| 11 | Validate if course and section is both invalid | Postman:  User enters invalid course and section | URL: http://localhost:8084/app/json/section-dump?r={“course”:”IS972” “section”:”S100”} | {  "status": "error",  "message": [  “invalid course”,  “Invalid section”  ]  } | Show error message | {  "status": "error",  "message": [  “invalid course”,  “Invalid section”  ]  } | Pass |
| 12 | Validate if course and section is both valid | Postman:  User enters valid course and section | URL: http://localhost:8084/app/json/section-dump?r={“course”:”IS100” “section”:”S1”} | {  "status": "success",  "students": [  {  “userid” : “ada.goh.2012”,  “amount”:11.0,  },  {  “userid” : “ben.ng.2012”,  “amount”:12.0,  }  ]  } | Show error message | {  "status": "success",  "students": [  {  “userid” : “ada.goh.2012”,  “amount”:11.0,  },  {  “userid” : “ben.ng.2012”,  “amount”:12.0,  }  ]  } | Pass |