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| Defect ID | DEF01 |
| Defect Title | System added 0.0000001 to price of book in random period of time |
| Defect Description | **Preconditions:**   * User has valid credentials. * User has installed Curl or Postman   **Steps to reproduce:**   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"Refactoring: Improving the Design of Existing Code","author":"Martin Fowler","  publication":"Addison-Wesley Professional","category":"Programming","pages":448,"price":35.50}' \  http://77.102.250.113:17354/api/v1/books   1. Repeat steps 2-3 until price will be 35.5000001 |
| Expected result | User update book and price saved as expected |
| Actual result | System added 0.0000001 to price of book in random period of time |
| Evidence/attachments | A screenshot of a computer  Description automatically generated |
| Severity | High |
| Priority | High |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |

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| Defect ID | DEF02 |
| Defect Title | System added 2 to pages of book in random period of time |
| Defect Description | **Preconditions:**   * User has valid credentials. * User has installed Curl or Postman   **Steps to reproduce:**   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Send POST request. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"Refactoring: Improving the Design of Existing Code","author":"Martin Fowler","  publication":"Addison-Wesley Professional","category":"Programming","pages":448,"price":35.50}' \  http://77.102.250.113:17354/api/v1/books   1. Repeat steps 2-3 until pages will be 450 |
| Expected result | User update book and page saved as expected |
| Actual result | System added 2 to pages of book in random period of time |
| Evidence/attachments | A screenshot of a computer  Description automatically generated |
| Severity | High |
| Priority | High |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |
| Defect ID | DEF03 |
| Defect Title | User can’t update book’s pages with PUT method |
| Defect Description | Preconditions:   * User has valid credentials. * User has installed Curl or Postman   Steps to reproduce:   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Send POST request. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"Refactoring: Improving the Design of Existing Code","author":"Martin Fowler","  publication":"Addison-Wesley Professional","category":"Programming","pages":448,"price":35.50}' \  http://77.102.250.113:17354/api/v1/books   1. Send PUT request with new number of pages to update book that was created on step 2 2. Request to Update book, example:   curl --request PUT \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"id":2,"name":"Test Driven Development: By Example","author":"Kent Beck","publication":"Addison-  Wesley Professional","category":"Programming","pages":240,"price":29.26}' \  http://77.102.250.113:17354/api/v1/books/2 |
| Expected result | User update book and page saved as expected |
| Actual result | User can’t update book’s pages with PUT method |
| Evidence/attachments | none |
| Severity | High |
| Priority | Normal (Standard) |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |

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| Defect ID | DEF04 |
| Defect Title | Sometimes book’s price is saves as 1.0E-7 |
| Defect Description | Preconditions:   * User has valid credentials. * User has installed Curl or Postman   Steps to reproduce:   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Send POST request. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"Refactoring: Improving the Design of Existing Code","author":"Martin Fowler","  publication":"Addison-Wesley Professional","category":"Programming","pages":448,"price":35.50}' \  http://77.102.250.113:17354/api/v1/books   1. Repeat steps 2-3 until pages will be price will be saved as 1.0E-7 |
| Expected result | Recently created book will be deleted every time |
| Actual result | Sometimes book’s price is saves as 1.0E-7 |
| Evidence/attachments |  |
| Severity | High |
| Priority | High |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |

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| Defect ID | DEF05 |
| Defect Title | Method DELETE /books sometimes returns 500 |
| Defect Description | Preconditions:   * User has valid credentials. * User has installed Curl or Postman   Steps to reproduce:   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Send POST request. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"Refactoring: Improving the Design of Existing Code","author":"Martin Fowler","  publication":"Addison-Wesley Professional","category":"Programming","pages":448,"price":35.50}' \  http://77.102.250.113:17354/api/v1/books   1. In response copy id 2. Create Delete method to delete recently created book. 3. Request is:   curl -x DELETE -u <user>:<password> <http://77.102.250.113:17354/api/v1/books/1>   1. Repeat steps 2-4 until response will be 500 |
| Expected result | Recently created book will be deleted every time |
| Actual result | Method DELETE /books sometimes returns 500 |
| Evidence/attachments |  |
| Severity | High |
| Priority | High |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |

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| Defect ID | DEF06 |
| Defect Title | User can save book with empty fields |
| Defect Description | Preconditions:   * User has valid credentials. * User has installed Curl or Postman   Steps to reproduce:   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Send POST request. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"","author":"","  publication":"","category":"","pages":0,"price":0}' \  http://77.102.250.113:17354/api/v1/books |
| Expected result | System will return error message “System can’t save the empty record” or something like that |
| Actual result | Books saved successfully |
| Evidence/attachments |  |
| Severity | High |
| Priority | High |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |

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| Defect ID | DEF07 |
| Defect Title | User can’t update book’s ID with PUT method |
| Defect Description | Preconditions:   * User has valid credentials. * User has installed Curl or Postman   Steps to reproduce:   1. Open Postman or Curl   Execute Post request to http://77.102.250.113:17354/api/v1/books/   1. Send POST request. Body of request is:   curl --request POST \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"name":"Refactoring: Improving the Design of Existing Code","author":"Martin Fowler","  publication":"Addison-Wesley Professional","category":"Programming","pages":448,"price":35.50}' \  http://77.102.250.113:17354/api/v1/books   1. Send PUT request with ID of pages to update book that was created on step 2 2. Request to Update book, example:   curl --request PUT \  --user <user>:<password> \  --header "Content-Type: application/json" \  --data '{"id":2,"name":"Test Driven Development: By Example","author":"Kent Beck","publication":"Addison-  Wesley Professional","category":"Programming","pages":240,"price":29.26}' \  http://77.102.250.113:17354/api/v1/books/2 |
| Expected result | User updated book’s ID successfully |
| Actual result | User can’t update book’s ID with PUT method |
| Evidence/attachments | none |
| Severity | High |
| Priority | Normal (Standard) |
| Module affected | backend |
| Environment | Test env |
| Reported by | Igor Marchuk |
| Reported on | 23.12.2023 |
| Status | New |
| Assigned to | Developer ABC |