**Predicted bugs**

**Books appearing multiple times in search resutls**

due to not breaking out of the loop once it is added

[LowPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowPriority%22)

[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

# Books in all departments not appearing in search resutls

due do not adding if(departments.isEmpty()) checker to add book to the output in getBookList

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[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

[MidSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidSeverity%22)

# Departments on objects not being correct

likely do to bad string manipulation

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[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[MidSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidSeverity%22)

date inputs not filtering results correctly results page

due to bad math

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[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[MidSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidSeverity%22)

# crash when getting books, people, reservations

due to forgetting to add a check if the arraylist is empty

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[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

crash on attempt to add reservations

bad string manipulation causes system to throw runtime exeption

[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

# users can hold multiple books at once

Reservations class not set up properly

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[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

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# mutiple loans being taken out on the same book at once

no checker for boook avalibility in system

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[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

Bug reports

# return to home page not working from staff page

throws RuntimeExeption, crashes the program

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[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

# staffPage prints all staff and then the searched results

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[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# system jumps to seach page at the end of running

[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# books in all departments cannot be loaned

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[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[MidSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidSeverity%22)

# search prints invalid input on valid input and coninues with search procedure

[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# cant reserve books

Loan constructor throws RuntimeExeption if the book already has a loan on it, and Resevation extends loan

[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

# add ebooks

and ebook class extends book

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[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# books appearing multiple times in search results

due to not breaking out of the loop once it is added

[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# NumberFormatException after 2 incorrect inputs in loanpage

[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# return to hompage from serch not working

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[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[MidSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidSeverity%22)

# if you already have a loan taken out on a book u select in results page pressing 0 prints invalid input and returns to search page instead of results page

[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# after displayiing selections staff page returns to home page rather than staff page

[LowSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowSeverity%22)

[LowPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22LowPriority%22)

# dosn't print books identical books in search results

getBookList() checks returning list for identical books to the one its currently trying to add and prvents it

[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

[MidSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidSeverity%22)

# when an incorrect Id is entered on sign in it continues to password

[HighPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighPriority%22)

[HighSeverity](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22HighSeverity%22)

# allow new people to be created

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[MidPriority](https://betacs4004.atlassian.net/issues/?jql=labels%20%3D%20%22MidPriority%22)

# create CLI

1. [CS4004BET-16](https://betacs4004.atlassian.net/browse/CS4004BET-16)

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# add staff page

# ability to addd books

# ability to search and results books

# ability to search and remove people