

Use Case

Use Case: OpenLibrary

Id: UC- 01

Description

This will open the Library of books already listed.

Level: Sub-Function

Primary Actor

Library Owner

Supporting Actors

Database

Stakeholders and Interests

App designer, book libraries

Pre-Conditions

Database must be created

Library Owner must have books ready to input

Post Conditions

Success end condition

Book app is opened

Failure end condition:

App does not open

Minimal Guarantee

App will not change without saving

Trigger

Library Owner clicks app

Main Success Scenario

1. Library Owner clicks on the library app
2. App opens
3. Library Owner can proceed to next use case document.

Extensions

none

Variations

No variations

Frequency:

At start of app. Once weekly to monthly

Assumptions

User has a need for the app
User has access to needed information
User can read English

Special Requirements

The user must know what the title, author and number of pages is for each book.

Issues

1. What is the maximum characters a title of a book can be?

To do

1. Design app
2. Make sure app is user friendly and clean looking

Use Case

Use Case: Add Book

Id: UC- 02

Description

This will allow Owner to add a book to their library

Level: Main Function

Primary Actor

Library Owner

Supporting Actors

Database

Stakeholders and Interests

App designer, book libraries

Pre-Conditions

Database must be created

Library Owner must have books ready to input

Post Conditions

Success end condition

Book title is added

Book Author is added

Number of pages in book is added

Failure end condition:

App does not add book title to database

App does not add book author to database

App does not add number of pages to database

Minimal Guarantee

App will not change without saving

Trigger

Prompt for Book title

Prompt for Book Author

Prompt for Number of Pages

Prompt to save

Main Success Scenario

1. Library Owner adds a title
2. Title is displayed
3. Library Owner adds author
4. Author of titled book is displayed
5. Library Owner adds the number of pages
6. Number of pages for titled book is displayed
7. Library Owner is prompted to save information or delete

Extensions

In step 7 if Owner saves the Library should reopen with new book added

Variations

No variations

Frequency:

Any time Owner need to add a book

Assumptions

User has a need for the app

User has access to needed information

User can read English

Special Requirements

The user must know what the title, author and number of pages is for each book.

Issues

1. What is the maximum characters a title of a book can be?
2. Is there a length limit on authors?
3. Can Authors have initials?

To do

1. Add database to app
2. Link database to book java package
3. Connect three databases together
4. Add Hibernate
5. Map data together

Use Case

Use Case: Edit Book

Id: UC- 03

Description

This will allow Owner to Edit a book to their library

Level: Main Function

Primary Actor

Library Owner

Supporting Actors

Database

Stakeholders and Interests

App designer, book libraries

Pre-Conditions

Database must be created

Library Owner must have books ready to input

Post Conditions

Success end condition

Book title is edited

Book Author is edited

Number of pages in book is edited

Failure end condition:

App does not edit book title to database

App does not edit book author to database

App does not edit number of pages to database

Minimal Guarantee

App will not change without saving

Trigger

Prompt for new Book title

Prompt for new Book Author

Prompt for new Number of Pages

Prompt to save

Main Success Scenario

1. Library Owner edits a title
2. Title is displayed
3. Library Owner edits author
4. Author of titled book is displayed
5. Library Owner edits the number of pages
6. Number of pages for titled book is displayed
7. Library Owner is prompted to save information or delete

Extensions

In step 7 if Owner saves the Library should reopen with new book added

Variations

No variations

Frequency:

Any time Owner need to edit a book

Assumptions

User has a need for the app

User has access to needed information

User can read English

Special Requirements

The user must know what the title, author and number of pages is for each book.

Issues

1. What is the maximum characters a title of a book can be?
2. Is there a length limit on authors?
3. Do the edits save correctly?
4. Can I have more than one copy of a book?

To do

1. Add database to app
2. Link database to book java package
3. Connect three databases together
4. Add Hibernate
5. Map data together

Use Case

Use Case: Delete Book

Id: UC- 04

Description

This will allow Owner to remove a book from their library

Level: Main Function

Primary Actor

Library Owner

Supporting Actors

Database

Stakeholders and Interests

App designer, book libraries

Pre-Conditions

Database must be created

Library Owner must have books ready to input

Post Conditions

Success end condition

Book title is deleted

Book Author is deleted

Number of pages in book is deleted

Failure end condition:

App does not remove book title from database

App does not remove book author from database

App does not remove number of pages from database

Minimal Guarantee

App will not change without saving

Trigger

Prompt to delete

Prompt to save

Main Success Scenario

1. Library Owner removes book
2. Book is deleted
3. Library Owner is prompted to save information or cancel

Extensions

In step 3 if Owner saves the Library should reopen with book removed

Variations

No variations

Frequency:

Any time Owner need to remove a book

Assumptions

User has a need for the app
User has access to needed information
User can read English

Special Requirements

The user must know what the title, author and number of pages is for each book.

Issues

1. What if I delete the wrong book?
2. Can I undo changes?
3. What if I don't know the book Id?

To do

1. Add ability to remove book
2. Add the prompt to agree to remove book