Return Books

User returns their books through the system

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	End User/Client
Suppporting Actors	

Use Case Notes

Use Case Note

Feb 17, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *The user will enter the system and go to their account page*
  - *The user will select the books they wish to return*
    - *The user may have to pay a fine for the returned book and would be prompted here.*
  - *The user will exit the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *If the book a user selected is unavailable, the user will not be able to borrow the book*
  - *If the user has signed out five books, they can not sign out any more*
  - *If the user has signed out two of the same specific ISBN, the user can not sign out any more of that specific ISBN*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *User's can only sign out five books at any time*
  - *User's can only sign out two of the same ISBN*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*

- *Were users allowed to return books?*

Scenarios

Scenario

1. The user will enter the system and go to their account page
2. The user will select the books they wish to return
3. The user will log out of the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	The system must be accessible to return books Design a SQL System Limit books per user
Post-conditions	The system must have allowed to user to return books Limit books per user
Author	N/A
Assumptions	N/A

Requirements

Limit books per user

Design a SQL System

Remove

Database Facilitator removes any desired entries in the database

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	Employee
Suppporting Actors	

Use Case Notes

Use Case Note

Feb 14, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *Database Facilitator enters the system*
  - *Database Facilitator modifies any pertaining entries*
  - *Database Facilitator saves any changes made*
  - *Database Facilitator exits the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *There should not be a situation where the Database Facilitator can not remove any entries*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *The database must be able to be modified without closing the system*
  - *Multiple entries should be able to be modified per session*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Is the database updating successfully?*

Scenarios

Scenario

1. Database Facilitator enters the system
2. Database Facilitator modifies any pertaining entries
3. Database Facilitator saves any changes made
4. Database Facilitator exits the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	The system must be accessible and modifiable Design a SQL System
Post-conditions	The system must be modified Design a SQL System
Author	N/A
Assumptions	N/A

Requirements

Design a SQL System

Modify entries

Database Facilitator modifies the entries in the database

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	Employee
SuppportingActors	

Use Case Notes

Use Case Note

Feb 17, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *Database Facilitator enters the system*
  - *Database Facilitator modifies any pertaining entries*
  - *Database Facilitator saves any changes made*
  - *Database Facilitator exits the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *There should not be a situation where the Database Facilitator can not modify any entries*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *The database must be able to be modified without closing the system*
  - *Multiple entries should be able to be modified per session*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Is the Database successfully updating?*

Scenarios

Scenario

1. Database Facilitator enters the system
2. Database Facilitator modifies any pertaining entries
3. Database Facilitator saves any changes made
4. Database Facilitator exits the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	The system must be accesible and modifyable Design a SQL System
Post-conditions	The system must be modified Design a SQL System
Author	N/A
Assumptions	N/A

Requirements

Design a SQL System

Register

User creates an account to interact with the system

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	End User/Client, Employee
SuppportingActors	

Use Case Notes

Use Case Note

Feb 14, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *User inputs credentials for their account*
  - *User logs into the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *If the system already has that specified login, request them to enter new details or log in*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *Users should only be able to make user accounts, staff members can make both accounts*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Check is a User/Staff account was created successfully*

Scenarios

Scenario

1. User inputs credentials for their account
2. User logs into the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Must be a new member, no current account, and the database must be modifiable Design a SQL System Age verification/Profanity Check
Post-conditions	A new customer/staff account is created Design a SQL System
Author	N/A
Assumptions	N/A

Requirements

Age verification/Profanity Check

Borrow Books

User borrows desired books from the system

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	End User/Client
SuppportingActors	

Use Case Notes

Use Case Note

Feb 17, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *The user will log into the system and decide which books they will borrow*
  - *The user will then check-out the book*
  - *The user will then set up a time to pick up the book from pertaining locations*
  - *The user will exit the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *If the book has no copies left to be borrowed, restrict the user form borrowing that specific book*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *The user cannot borrow more than five books at any time, with no more than 2 of any specific ISBN*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Is the User able to borrow a book?*

Scenarios

Scenario

1. The user will log into the system and decide which books they will borrow
2. The user will then check-out the book
3. The user will then set up a time to pick up the book from pertaining locations
4. The user will log out of the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	The system is online and capable of allowing users to borrow books Limit books per user Search Bar Design a SQL System
Post-conditions	The system performs as expected and allowed users to borrow any available books. The system must also have restricted access to borrowing more than five books. Limit books per user
Author	N/A
Assumptions	N/A

Requirements

Search Bar

Design a SQL System

Limit books per user

Create

The Database Facilitator adds entries to the database

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	Employee
SuppportingActors	

Use Case Notes

Use Case Note

Feb 14, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *Customer/End-User requests new book*
  - *Database Facilitator adds new books to the system*
  - *New books are added to the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *If the inventory does not have that specific book already the database facilitator will add it to the system*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *The database must be able to be modified without closing the system*
  - *Multiple entries should be able to be modified per session*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Is the database updating successfully?*

Scenarios

Scenario

1. Customer/End-User requests new book

2. Database Facilitator adds new books to the system
3. New books are added to the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	Proposed
Preconditions	Design a SQL System A SQL Database must be used and modifiable
Post-conditions	Design a SQL System The new entry must be added to the system
Author	N/A
Assumptions	N/A

Requirements

Design a SQL System

Search book catalog

User wants to search for a book in the catalog

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	End User/Client, Employee
SuppportingActors	

Use Case Notes

Use Case Note

Feb 17, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *The user will enter the system and input their preferred filters for searching by book*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *The user should be able to search the database using a search bar*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *User's must be able to define their search requirements so that the time taken to find specific titles is reduced*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Are users able to properly search for the ISBNs they want?*

Scenarios

Scenario

1. The user will enter the system and specify which filters to search by

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Design a SQL System Search Bar The user must have an account
Post-conditions	The user must have been able to search the system
Author	N/A
Assumptions	N/A

Requirements

Search Bar

Design a SQL System

Add Admin

Add Admin gives Employees the ability to add another employee account.

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	Employee
SuppportingActors	

Use Case Notes

Use Case Note

Apr 9, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *Database Facilitator will enter the system.*
  - *Database Facilitator will enter the Add Admin form.*
  - *Database Facilitator will enter credentials for new account.*
  - *Database Facilitator exits the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *The Database Facilitator should encounter no issues surrounding adding a new admin account*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *Employee accounts are the only account types that should be able to add an admin*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Is an admin account successfully created?*

Scenarios

Scenario

1. Database Facilitator will enter the system.
2. Database Facilitator will enter the Add Admin form.
3. Database Facilitator will enter credentials for new account.
4. Database Facilitator exits the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Create Staff/User Account Design a SQL System The Database must be accessible and modifiable
Post-conditions	Design a SQL SystemCreate Staff/User Account The admin account must be successfully created
Author	N/A
Assumptions	N/A

Requirements

Design a SQL System

Create Staff/User Account

Renew Books

Renew Book extends the borrow date for specific books signed out for user accounts.

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	End User/Client
Suppporting Actors	

Use Case Notes

Use Case Note

Apr 9, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *The User will enter the system*
  - *The User will then enter the renew book form*
  - *The User will select which book they wish to renew and renew it*
  - *The User will exit the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *The User should be able to renew any book they have signed out*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *Users may only be able to renew a book once*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Can a User successfully renew any book they have already signed out?*

Scenarios

Scenario

1. The User will enter the system
2. The User will then enter the renew book form

3. The User will select which book they wish to renew and renew it
4. The User will exit the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	Design a SQL System The user must be able to log in and access the renew book function
Post-conditions	Design a SQL System The book selected must be renewed
Author	N/A
Assumptions	N/A

Requirements

Design a SQL System

Search bar by title/author etc.

Use case for searching by specific key words, i.e. Author, Title, etc.

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	
Suppporting Actors	

Pay fine

User must pay their fines if they borrow a book for too long

Information

Rank	Unspecified
ID	
Status	Unspecified
Justification	
Primary Actors	
Suppporting Actors	

Use Case Notes

Use Case Note

Apr 9, 2021

- Workflow
  - *// Write down briefly how user perform the work*
  - *The User enters the system*
  - *The User selects to return a book*
  - *The User selects the book they wish to return*
  - *The User is redirected to pay their fine for that book*
  - *The User pays the fine*
  - *The User exits the system*
- Business Logic
  - *// Write down what user expect the system to react upon certain condition (e.g. low inventory alert level)*
  - *The User should expect the system to deny them to ability to further borrow books if the fine is not paid*
- Decisions
  - *// Write down the decisions made during the meeting (e.g. Must allow accessing from mobile devices)*
  - *Users must pay fines to further borrow form the library*
- Follow-up
  - *// Write down the items that should follow-up in the coming meeting*
  - *Does the fine get paid successfully?*
  - *Is the fine removed successfully upon receiving payment?*

Scenarios

Scenario

1. The User enters the system
2. The User selects to return a book
3. The User selects the book they wish to return
4. The User is redirected to pay their fine for that book
5. The User pays the fine
6. The User exits the system

Details

Level	N/A
Complexity	N/A
Use Case Status	N/A
Implementation Status	N/A
Preconditions	The User must have borrowed a book too long to receive a fine The User must have been attempting to return a book The database must be modifiable Design a SQL System
Post-conditions	The User must have been able to pay their fine
Author	N/A
Assumptions	N/A

Requirements

Design a SQL System