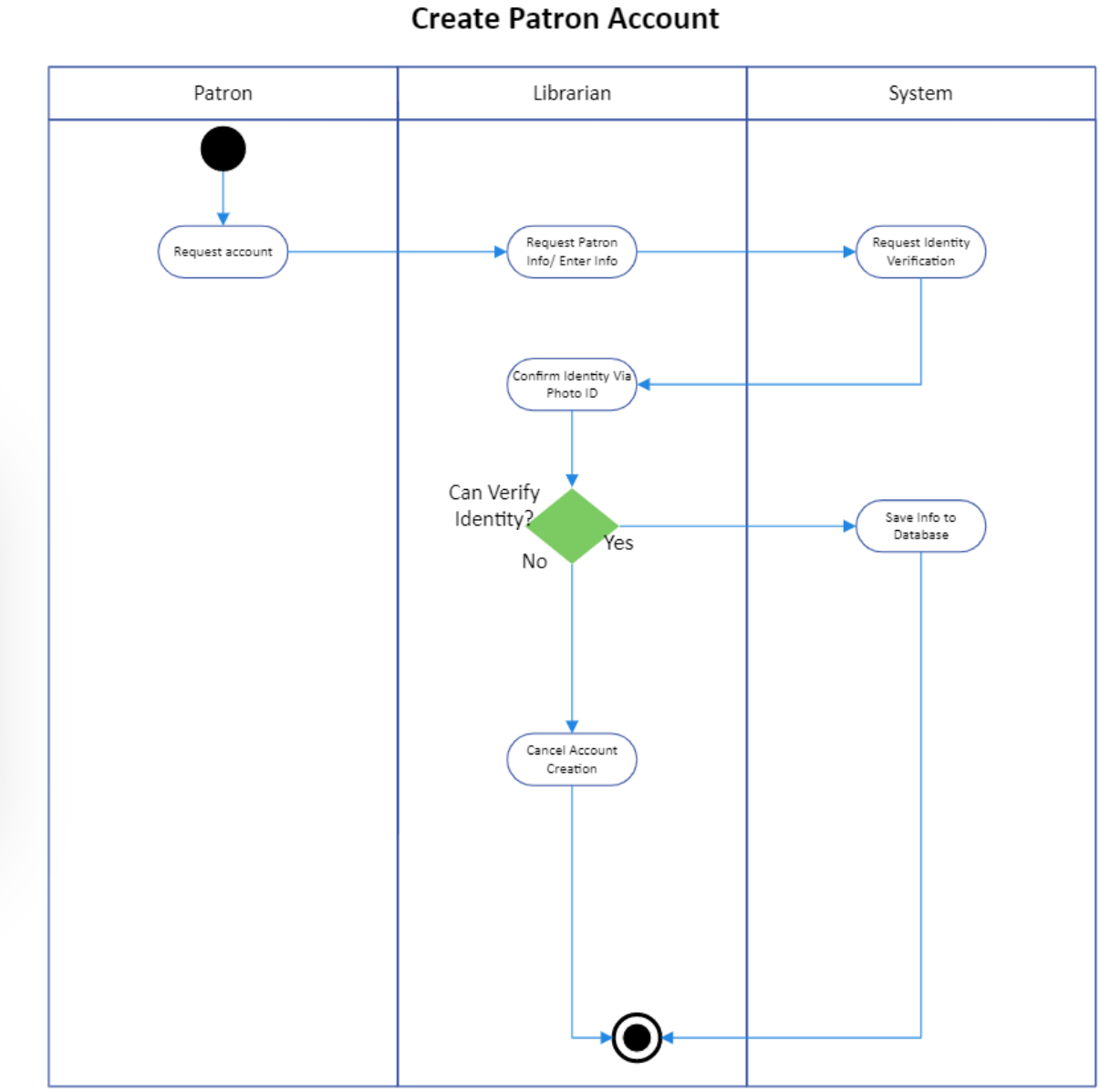
Sprint 1 Deliverables

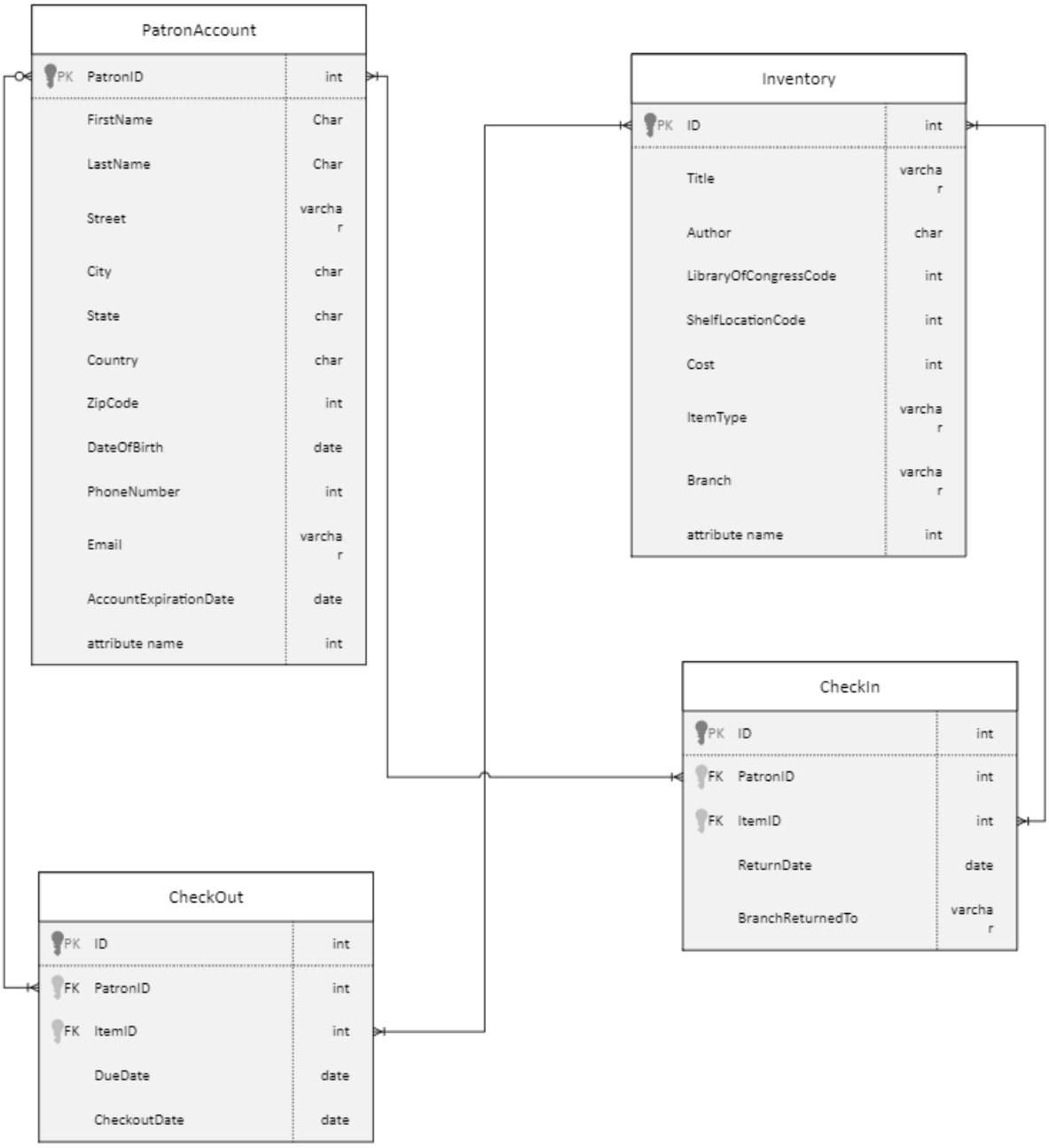
Website: https://ada.cis.uncw.edu/~mp9689/WPLS/FrontEnd/home.html

Create Patron Account (DONE)

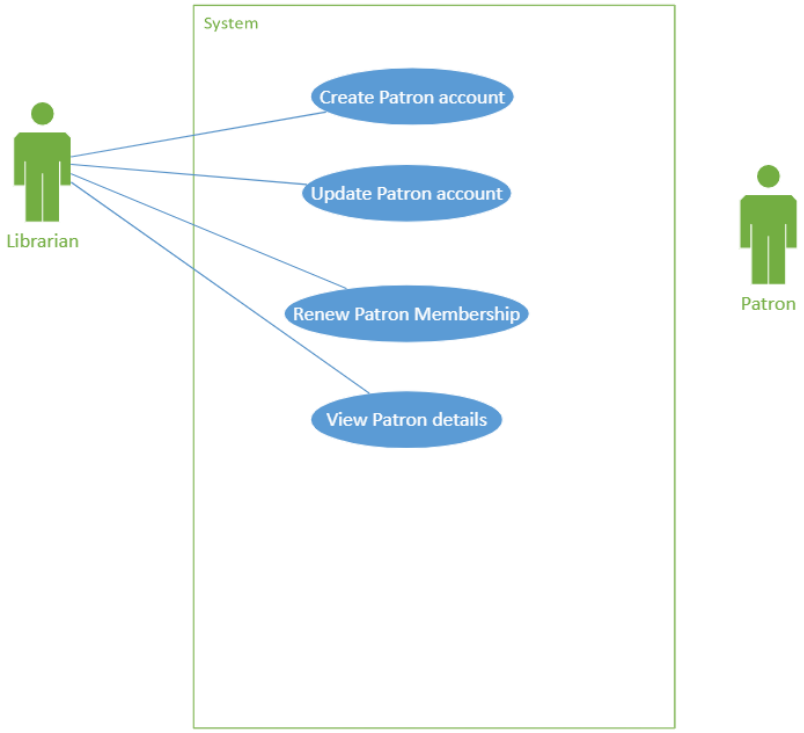
Activity diagram:



ERD:


PatronAccount
PK PatronID int
FirstName Char
LastName Char
Street varchar
City char
State char
Country char
ZipCode int
DateOfBirth date
PhoneNumber int
Email varchar
AccountExpirationDate date
attribute name int
Inventory
PK ID int
Title varchar
Author char
LibraryOfCongressCode int
ShelfLocationCode int
Cost int
ItemType varchar
Branch varchar
attribute name int
CheckIn
PK ID int
FK PatronID int
FK ItemID int
ReturnDate date
BranchReturnedTo varchar
CheckOut
PK ID int
FK PatronID int
FK ItemID int
DueDate date
CheckoutDate date

Use Case Diagram

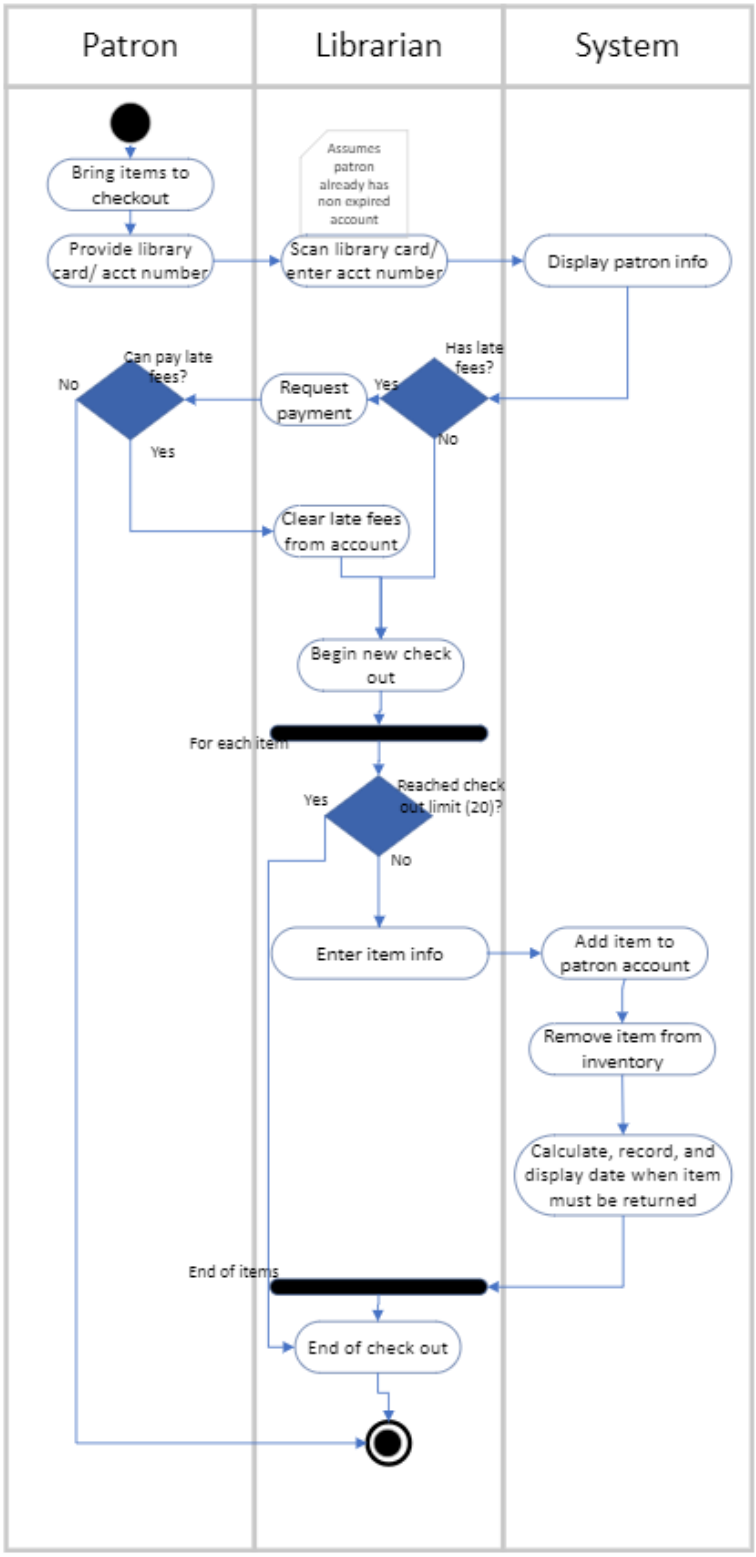


CRUD

	Patron account	Inventory	Checkin	Checkout
Checkout for books	C	C		
Issue books	R,U	U	U	U
Renew patron Membership	R,U.D		R	R
Gather Contractor's Name/ID	R			
View patron details	R	R	R	R

Check Out (WIP)

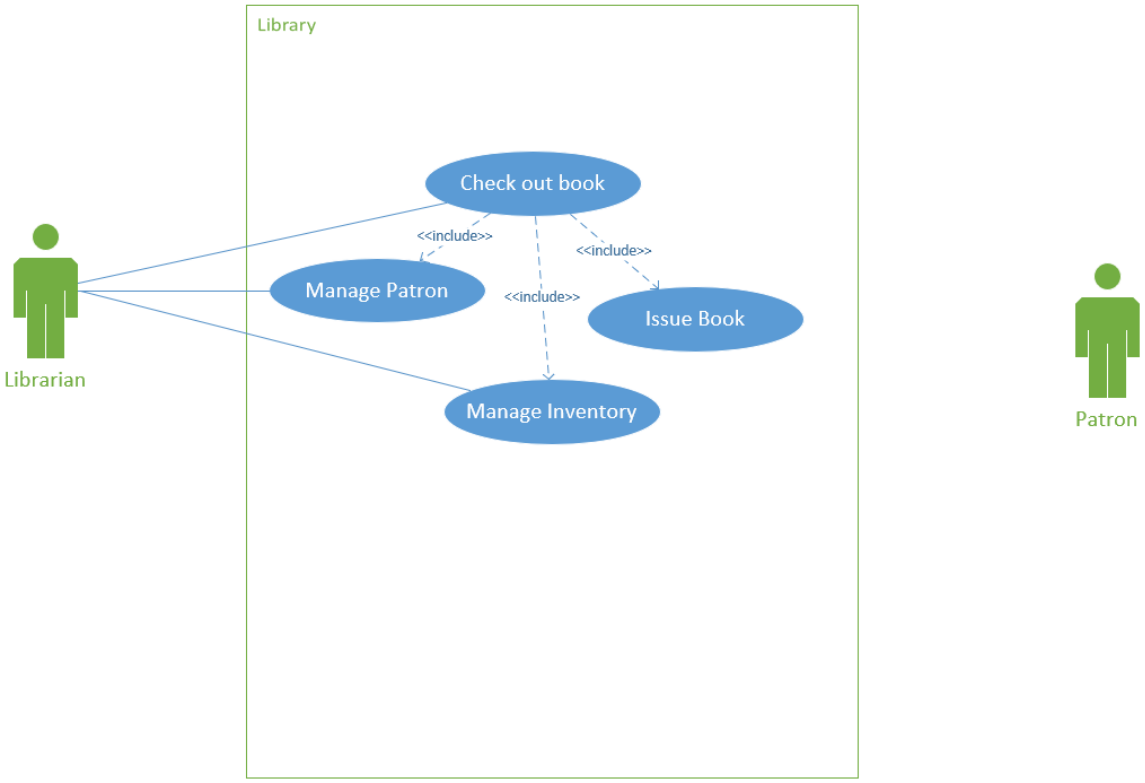
Activity Diagram



ERD

Checkout
PK Checkout ID int
FK Patron ID int
FK Item ID int
Due Date Date
Checkout Date Date
PatronAccount
PK Patron ID int
First Name char
Last Name char
Street Varchar
City Varchar
State Char
Country Char
Zip Code int
Date of Birth Date
Phone Number int
Email varchar
Account Expiration Date Date
Inventory
PK Item ID int
Title Char
Author Char
Year Date
Library of Congress Code int
Shelf Location Code Varchar
Cost int
ItemType int
Branch int
Copies int
InStock int

Use Case Diagram



CRUD Check Out

	Checkout	PatronAccount	Inventory
Check out book	CRUD	RU	RU
Issue book			RU
Manage Patron account	R	RU	
Manage inventory	R		RU

Functionality that is working on the website (no documentation)

- View Patron Account
- Generate Label