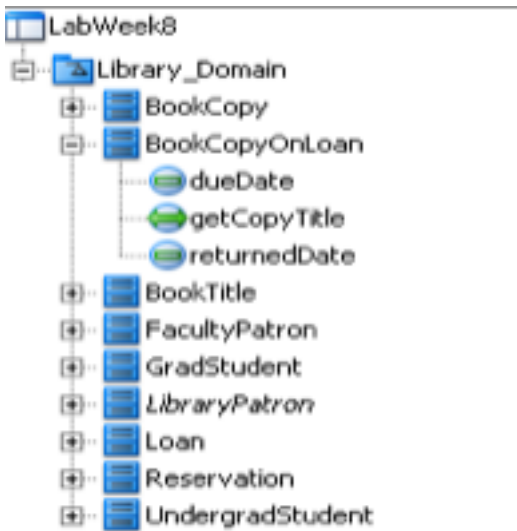


Analysis & Design Lab Week 8

Name: Robert Gabriel, Tracey Nixon, Rokas

Class : WEB2

3.a) Analysis Model



Analysis & Design Lab Week 8

Name: Robert Gabriel, Tracey Nixon, Rokas

Class : WEB2

B) Create a Use Case called Find Book Titles on Loan by a Patron.

User Case : Find Book Titles on loan by Patron

Actor : Library Patron

Overview : Patron wants to find book and book titles that he/she has on loan.
Patron Provides required details and system displays titles.

Type : Normal

Preconditions : Patron must be already registered with the library (system).

Post-conditions : None.

Special Requirements : None.

Patron Action	Flow OF Events	System Response
1) Use case starts when patron checks book for out on loan. 2) Patron provides this Patron id Number	3) System checks books titles and responses to the patron .	

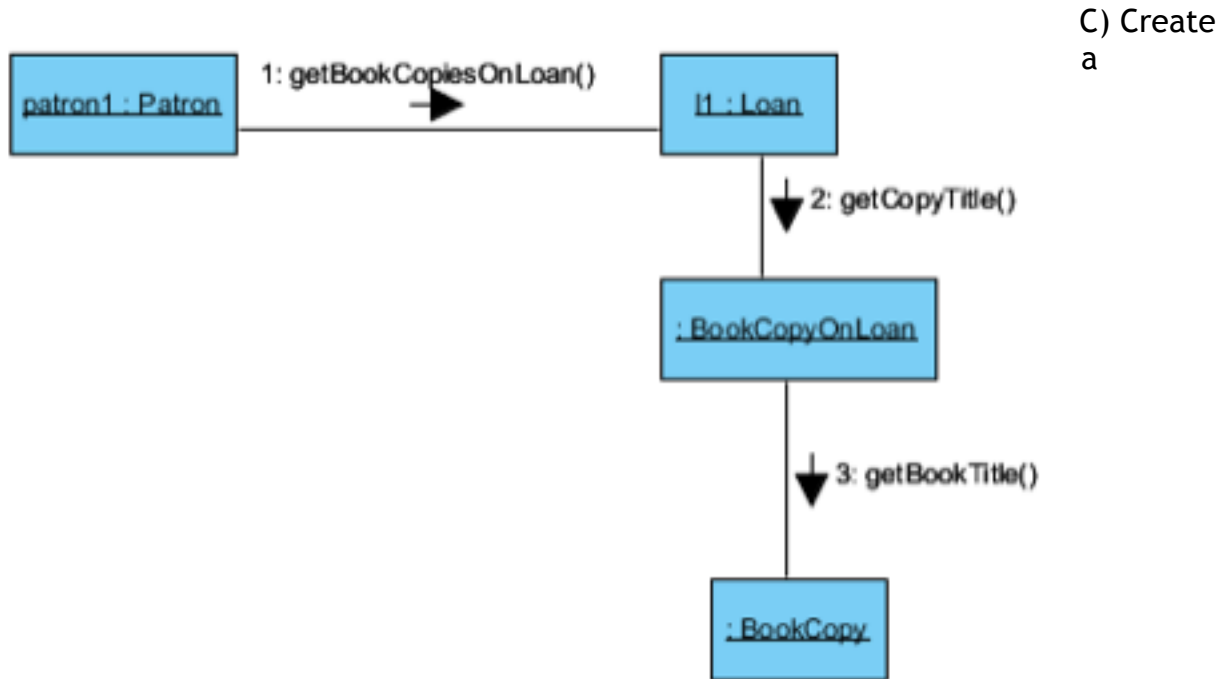
Alternative Flow of Events

Line 3: None existing loan id number. return to step 2.

Analysis & Design Lab Week 8

Name: Robert Gabriel, Tracey Nixon, Rokas

Class : WEB2

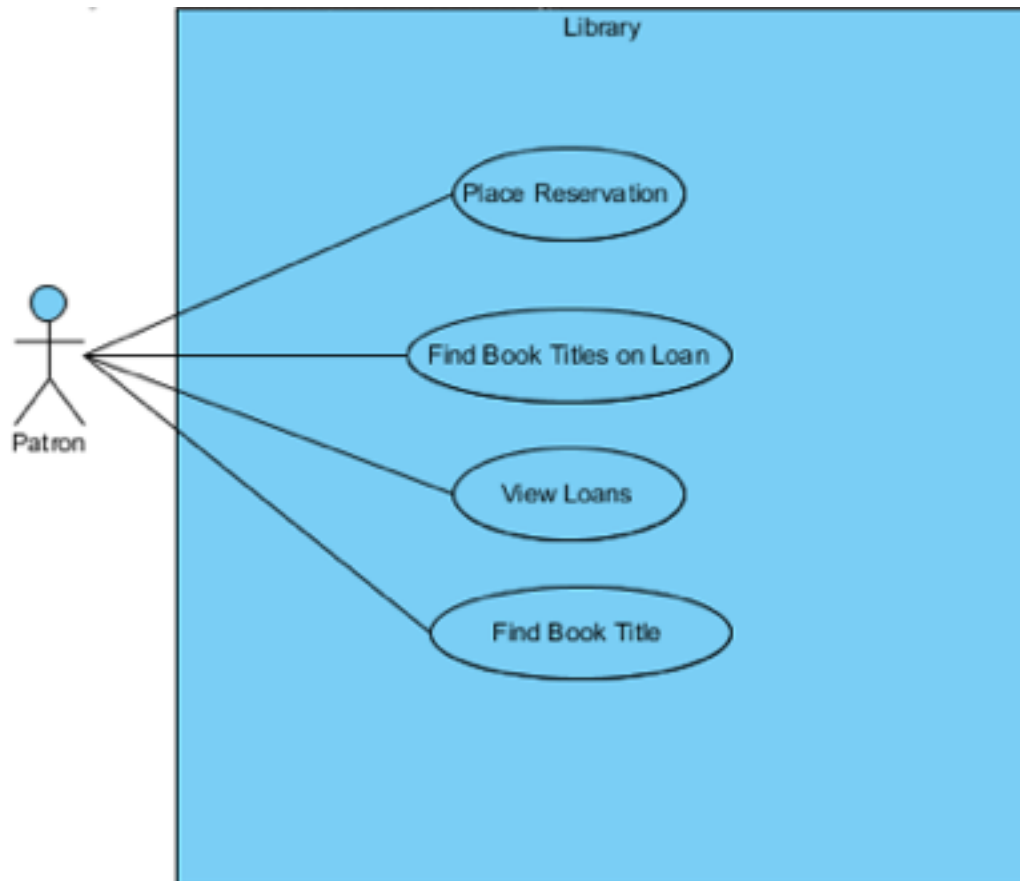


collaboration called - Find Book Titles on Loan by a Patron.

Analysis & Design Lab Week 8

Name: Robert Gabriel, Tracey Nixon, Rokas

Class : WEB2



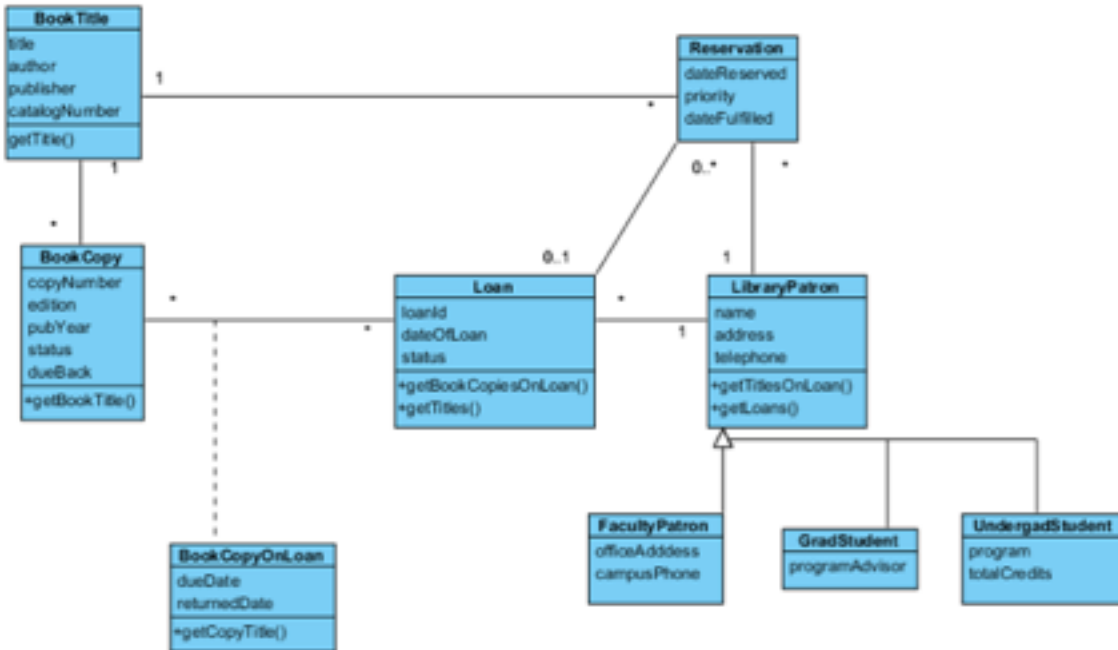
D) Create a Use case Diagram called Library

Analysis & Design Lab Week 8

Name: Robert Gabriel, Tracey Nixon, Rokas

Class : WEB2

E) Create Class Diagram named Library



Analysis & Design Lab Week 8

Name: Robert Gabriel, Tracey Nixon, Rokas

Class : WEB2

F) Create an object diagramⁱ named PatronLoans to represent the following Scenario. A Library Patron has a number of loans. Each loan is for a number of bookCopies. All objects are anonymous. Ensure that Class Diagram supports Object Diagram



G Not sure how to do it ? :) will you please go through it in class.

a) Two objects are needed the patron info on the patron and their loans, and the book which they have the info on.

b) On loan status <Is on loan/ Not on loan>

c)

(1) On loan

(2)