

Use Case : edit customer

Actor : Staff Member (or Admin)

Precondition : Log On

Main Success Scenario :

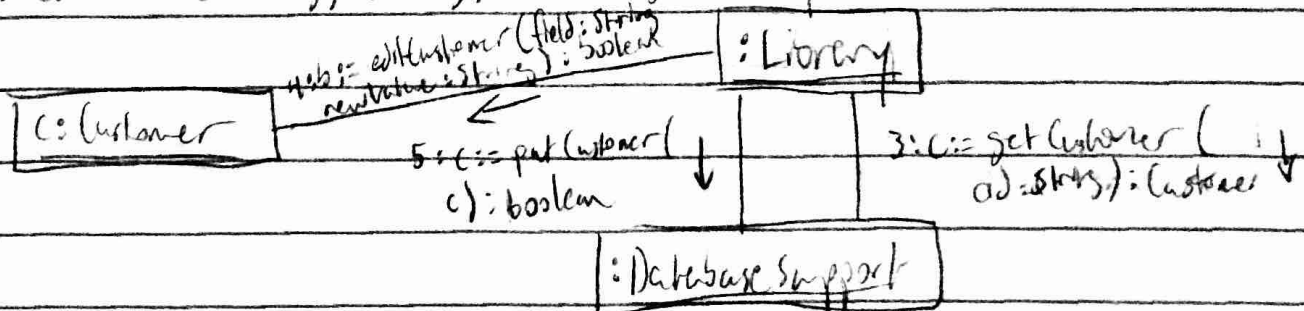
1. Staff Member provides ID of customer, field to be edited and what the field should be changed to.
2. (System prints) "<Customer ID>: <field> changed from <prev value> to <current value> and replies with successful status" ←

Interaction Expert : Library, as library has record of or "knows" customers.

Interaction Diagram Fragment :

1: b := editCustomer(id: string, field: string, newValue: string) : boolean

2: b := editCustomer(id: string, field: string, newValue: string) : boolean



part of  
use case

Extension 1a for edit customer use case

1a. Customer ID does not exist

1. System replies with failure status

1: b := editCustomer(cid: String, field: String, newValue: String)

: False

2: b := editCustomer(cid: String, field: String, newValue: String)

: False

3: c := getCustomer(cid: String) : null

: LibraryController

: Library

: DatabaseSupport

1b. Field doesn't exist

1. System replies with failure status and prints the list of fields

1: b := editCustomer(cid: String, field: String, newValue: String) : False

2: b := editCustomer(cid: String, field: String, newValue: String) : False

3: c := getCustomer(cid: String) : Customer

4: b := editCustomer( field: String, newValue: String) : False

: LibraryController

: Library

: DatabaseSupport

: Customer

1c. Field revision is not valid

1. System replies with failure status

Identical to activity diagram above

Use Case: add Customer

Actor: Staff Member (or Admin)

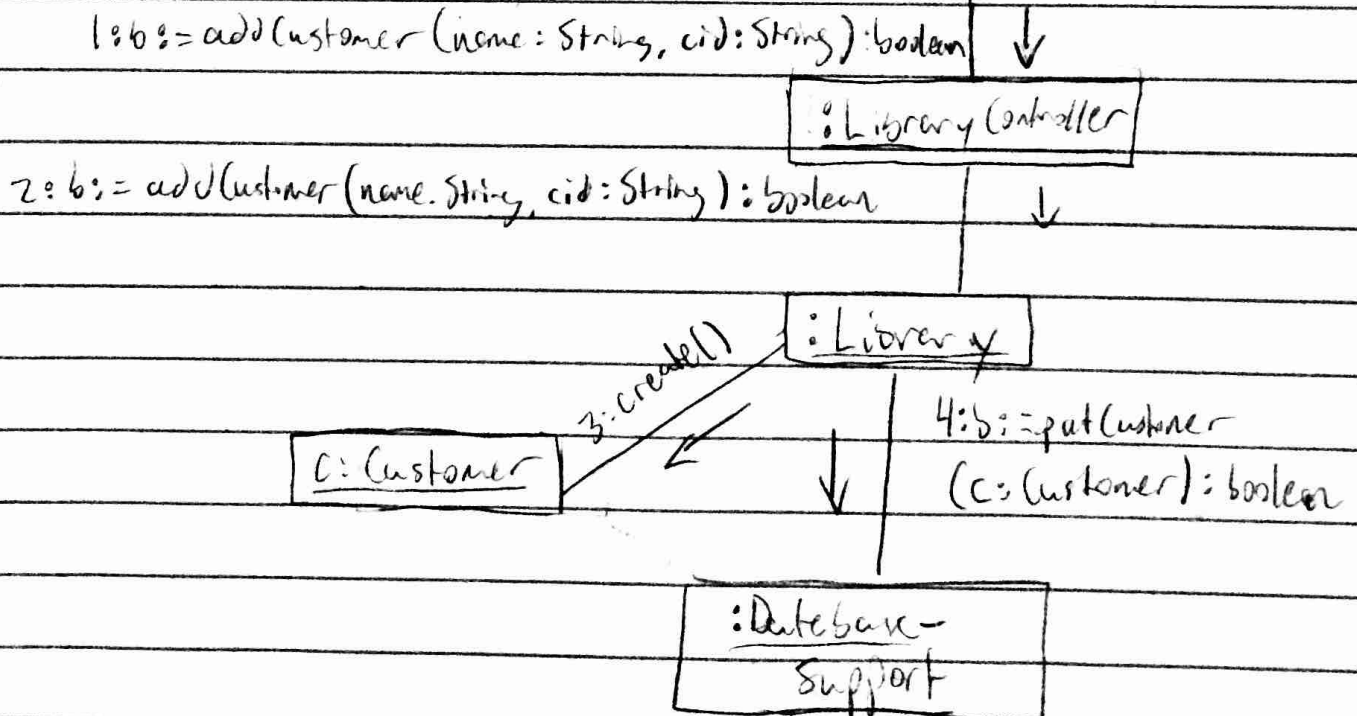
Precondition: Log on

Main Success Scenario:

1. Staff Member provides Name and ID of the customer being added to the system.
2. System replies with successful status regarding the add of the customer.

Information Expert: Library, as Library has record of, or "knows" customers.

Interaction Diagram Fragment:

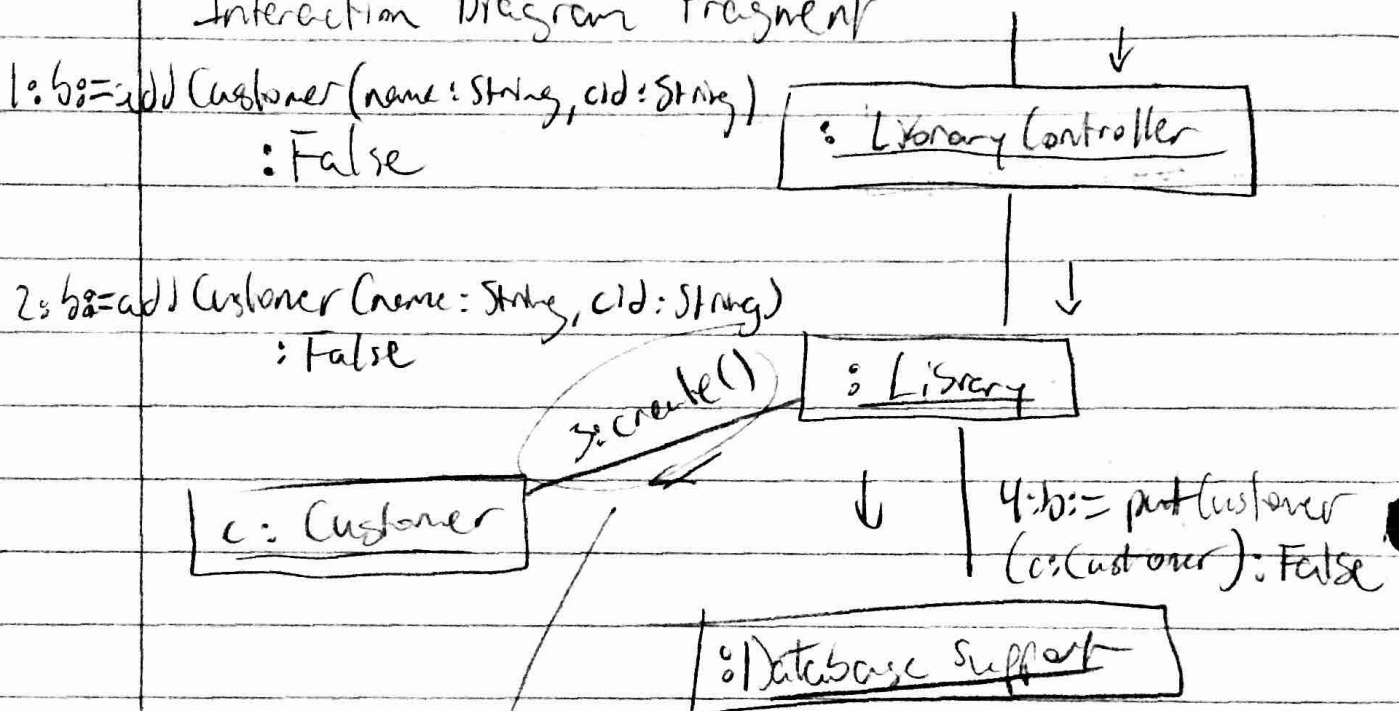


Extension 1a for add Customer

1a. Customer ID already exists

1. System replies with failure status.

Interaction Diagram Fragment



correct usage  
of create()

## Use Case remove Customer

Actor: Admin

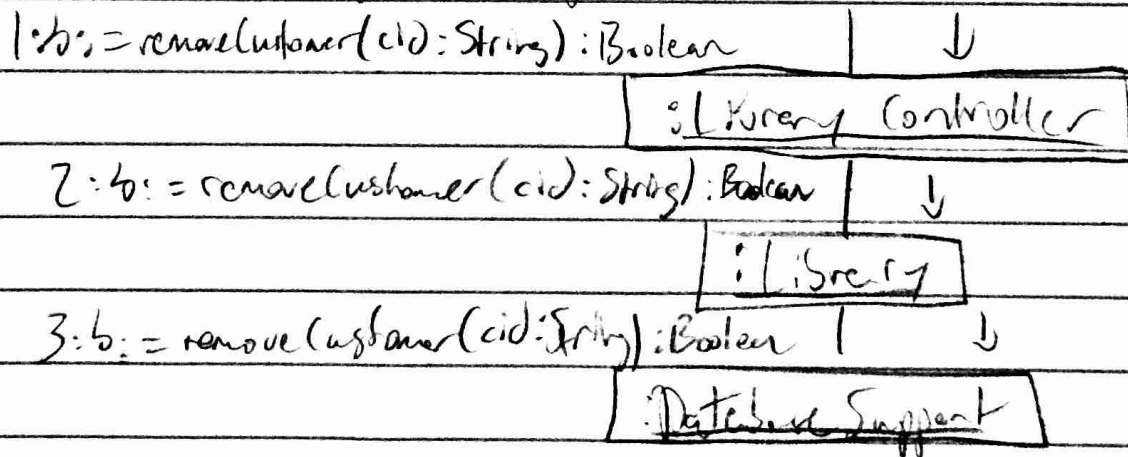
Precondition: Log on

Main Success Scenario

1. Admin provides ID of the Customer to be removed from the System
2. System replies with successful status regarding the removal of the customer.

Information Expert: Library has record of, or "knows" its customers.

Interaction Diagram Fragment:



part  
of use  
case

Extension for removeCustomer

1. Customer ID does not exist

1. System replies with failure status.

Interaction Diagram Fragment:

