



CAR POOLING

Design Document Software Engineering



APRIL 5, 2013

LAHORE UNIVERSITY OF MANAGEMENT SCIENCES
DHA Lahore Cant, Lahore, Pakistan.

Car Pooling

Software Engineering Course Project
Project Design Specification Document



Group 5

Hasan Abbas	2014-10-0059
Muhammad Wajahat	2014-10-0128
Luqman Ghani	2014-10-0180
Usman Zaheer	2014-10-0222

Session 2012-2013

Department of Computer Science
Lahore University of Management Sciences
Lahore

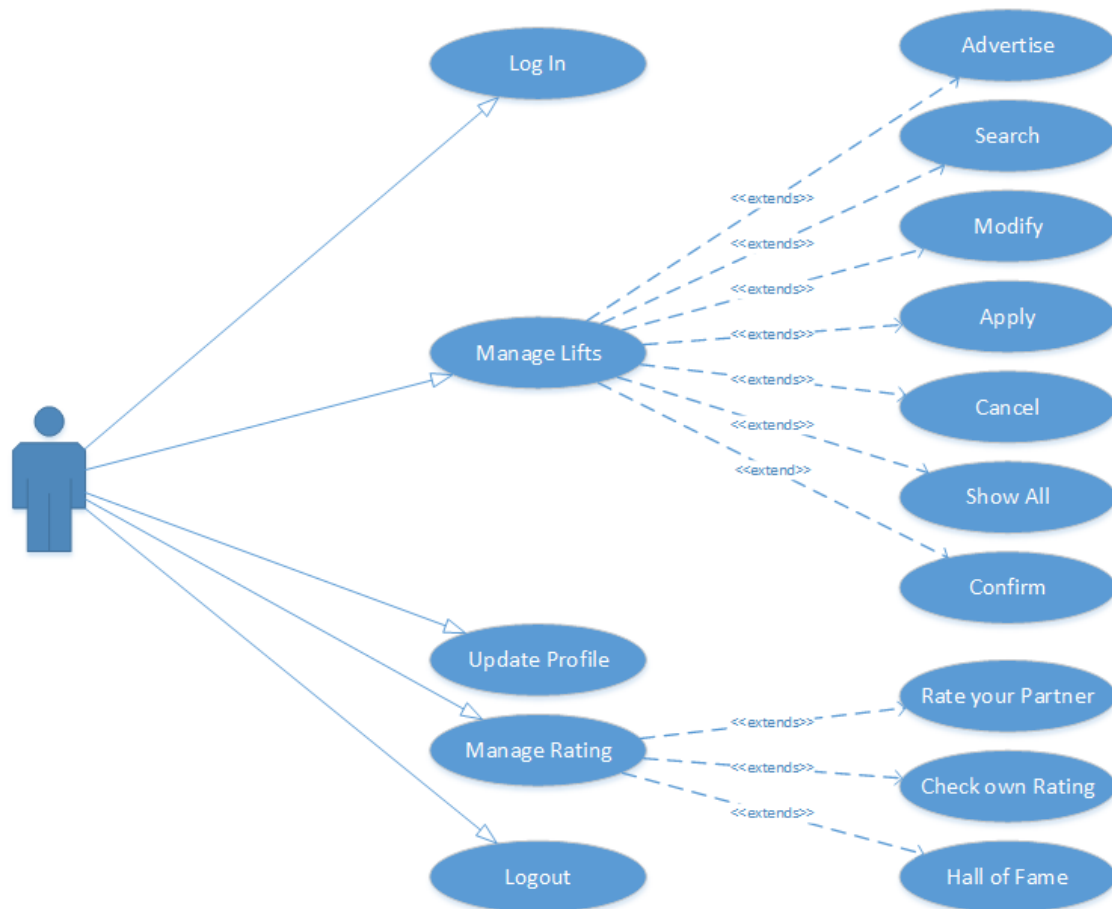
Contents

Project Design Specification Document.....	3
Use Case Diagram	3
System Architecture	4
System Sequence Diagrams.....	4
Domain model	5
Sequence diagrams.....	19
Class diagram	32
(Class Diagram using Entity, Boundary and Control Symbols)	32
(Design Class Diagram with Attributes and Methods).....	33
Collaboration Diagrams	34
State charts.....	39
DB Schema/ ERD	41
SiteMap.....	42
Human Interface Design	43
Screens	43
Navigation Flow	55

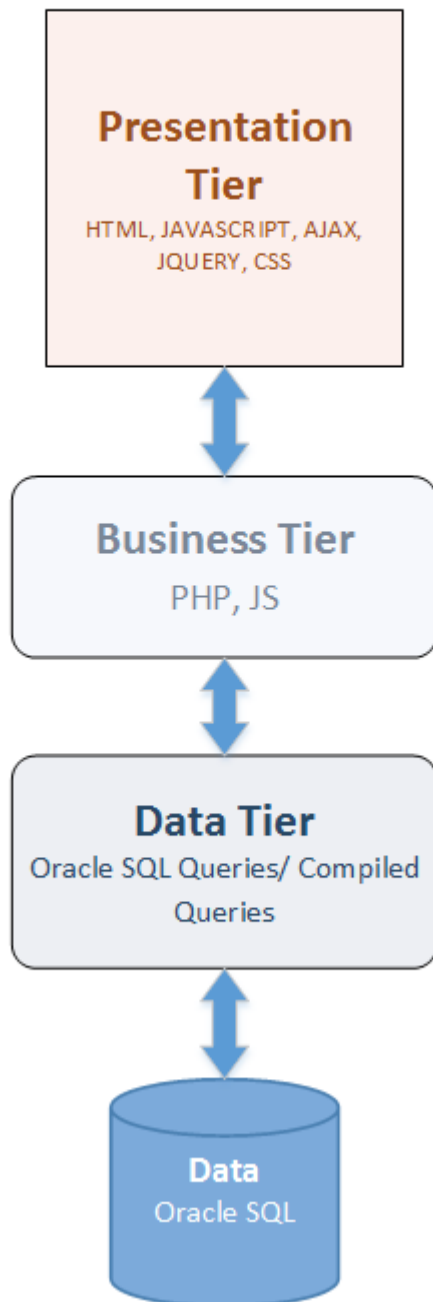
Project Design Specification Document

Use Case Diagram

Use Case Diagram

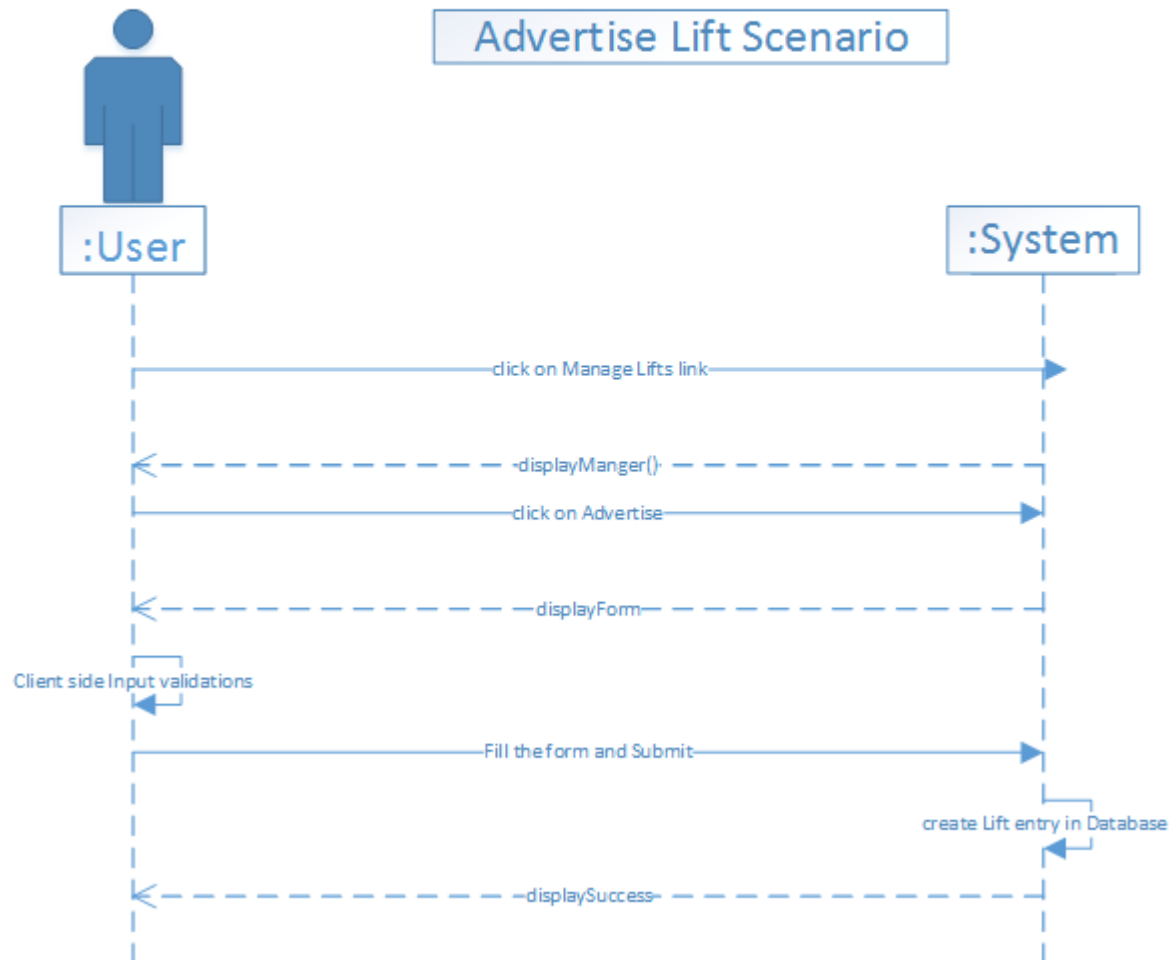


System Architecture



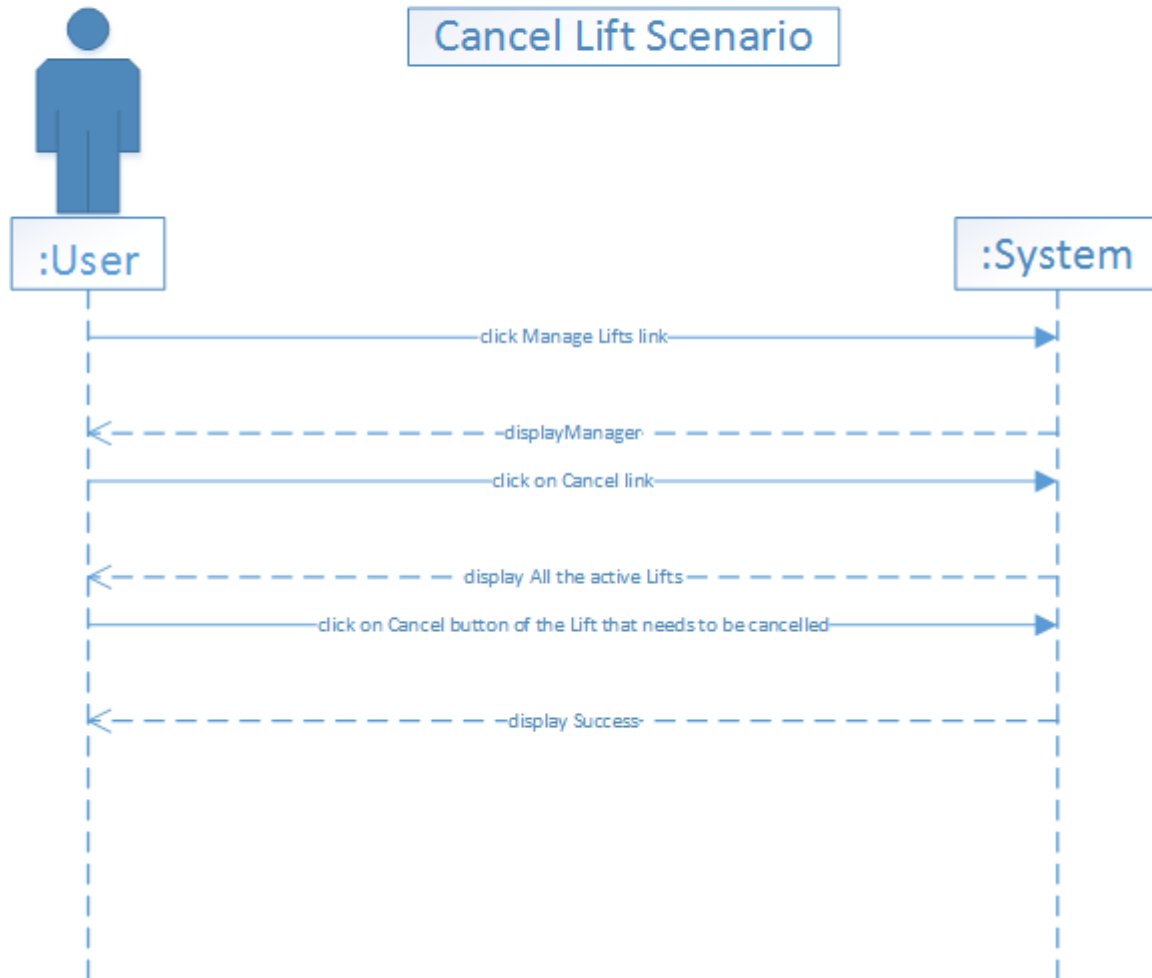
System Sequence Diagrams

System Sequence



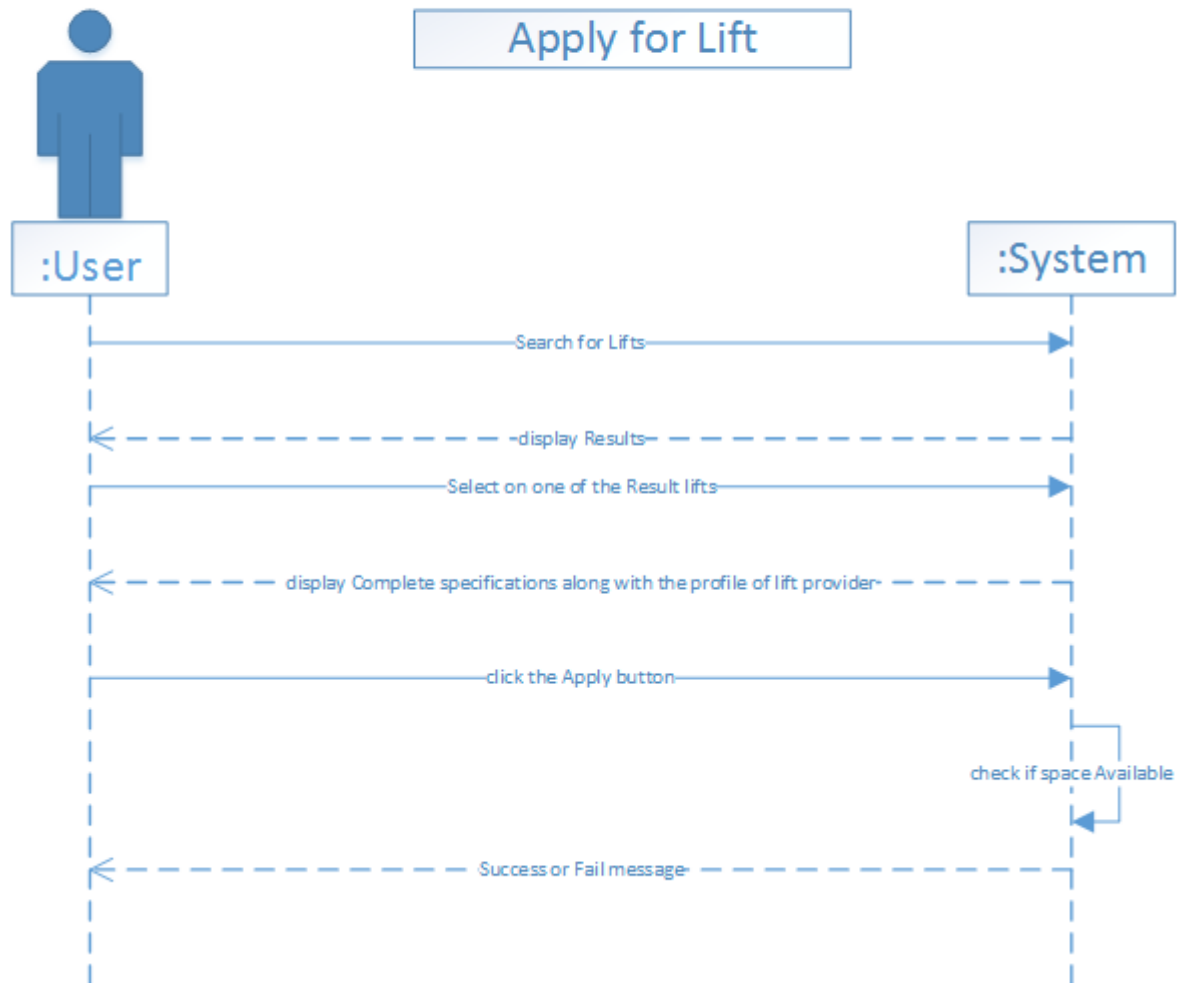
System Sequence

Cancel Lift Scenario



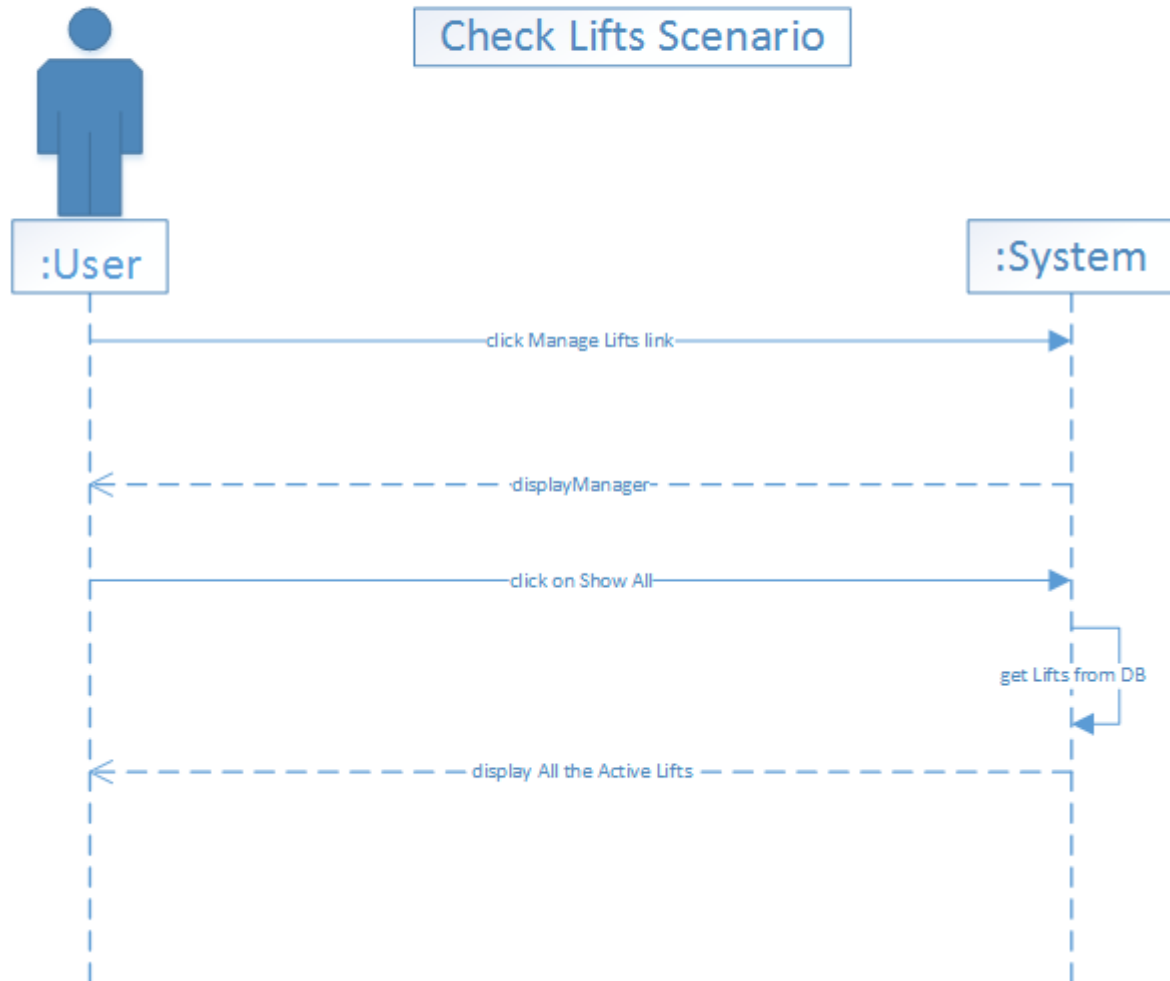
System Sequence

Apply for Lift



System Sequence

Check Lifts Scenario

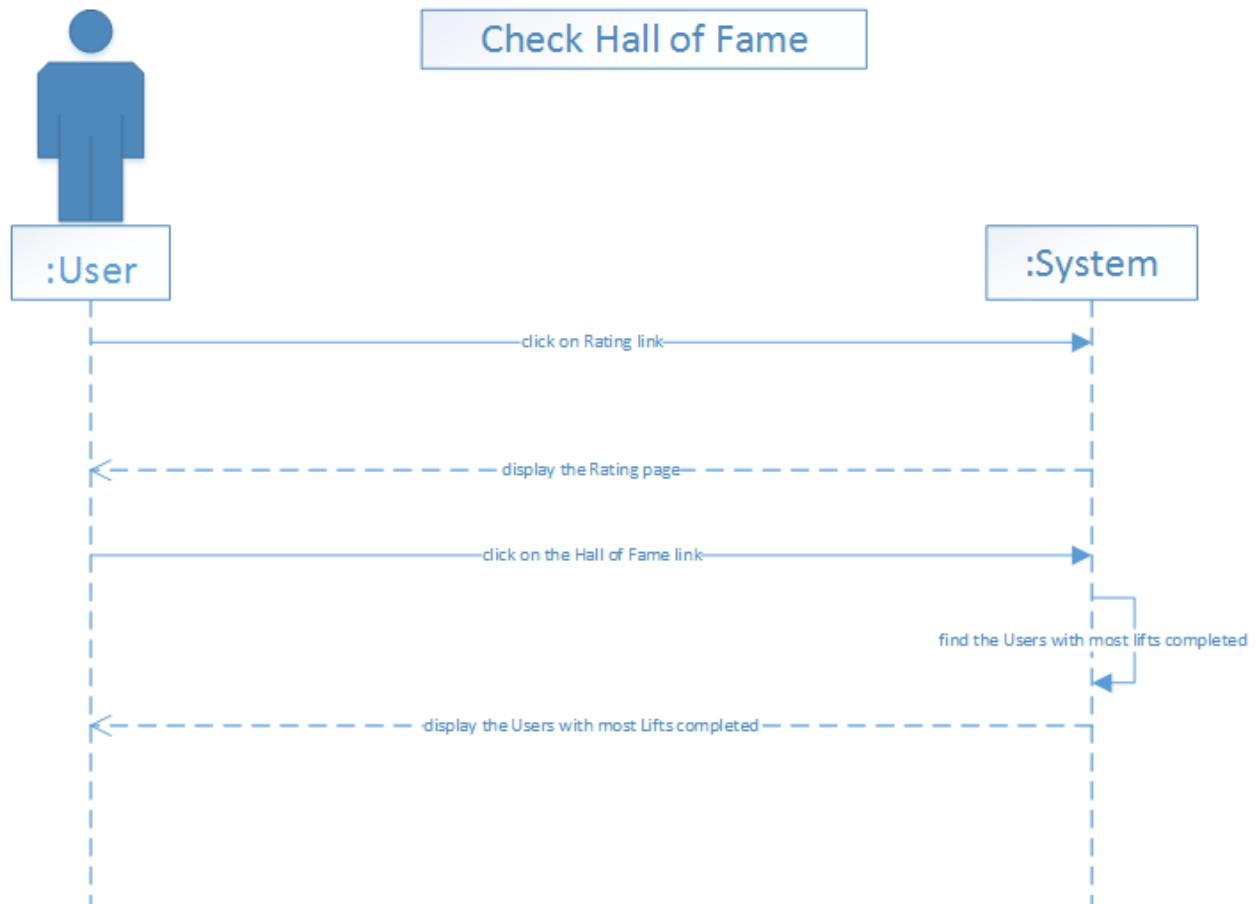


System Sequence

Confirm Lift Scenario

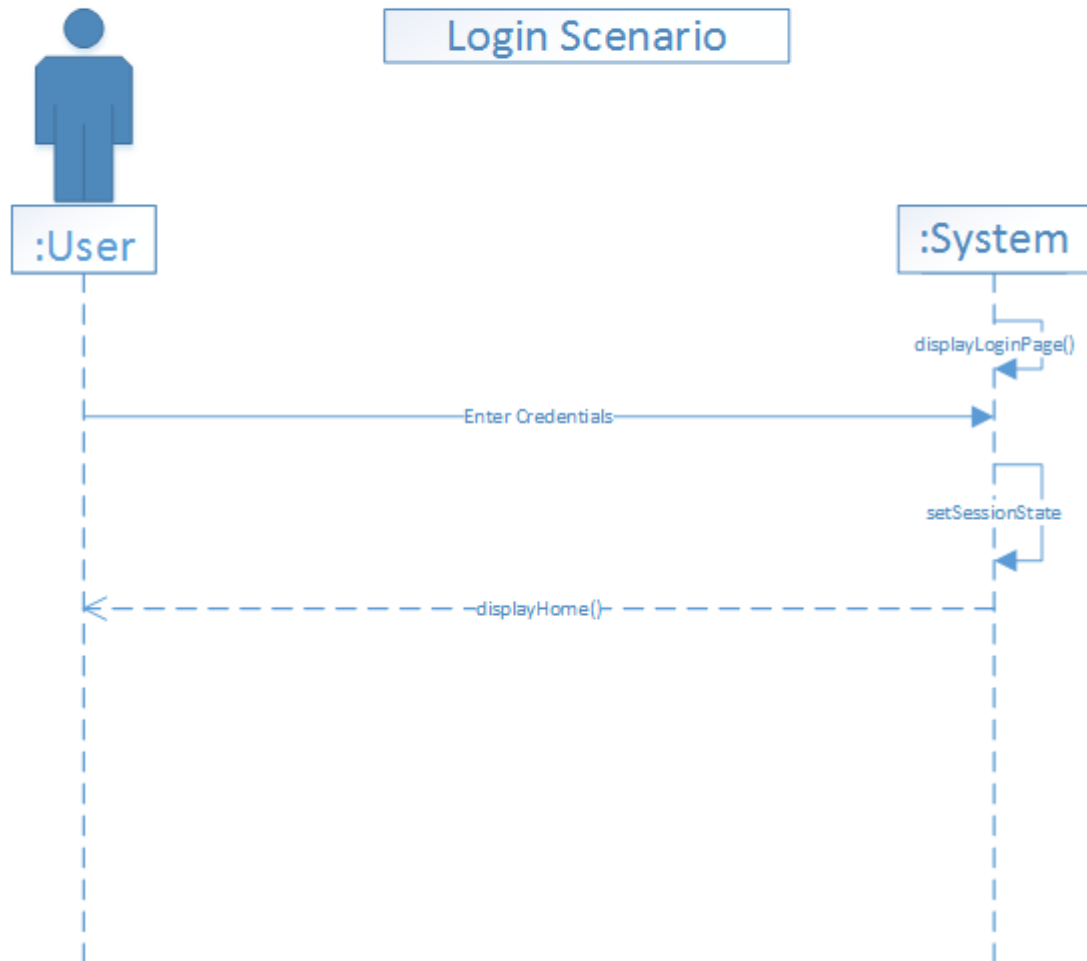


System Sequence



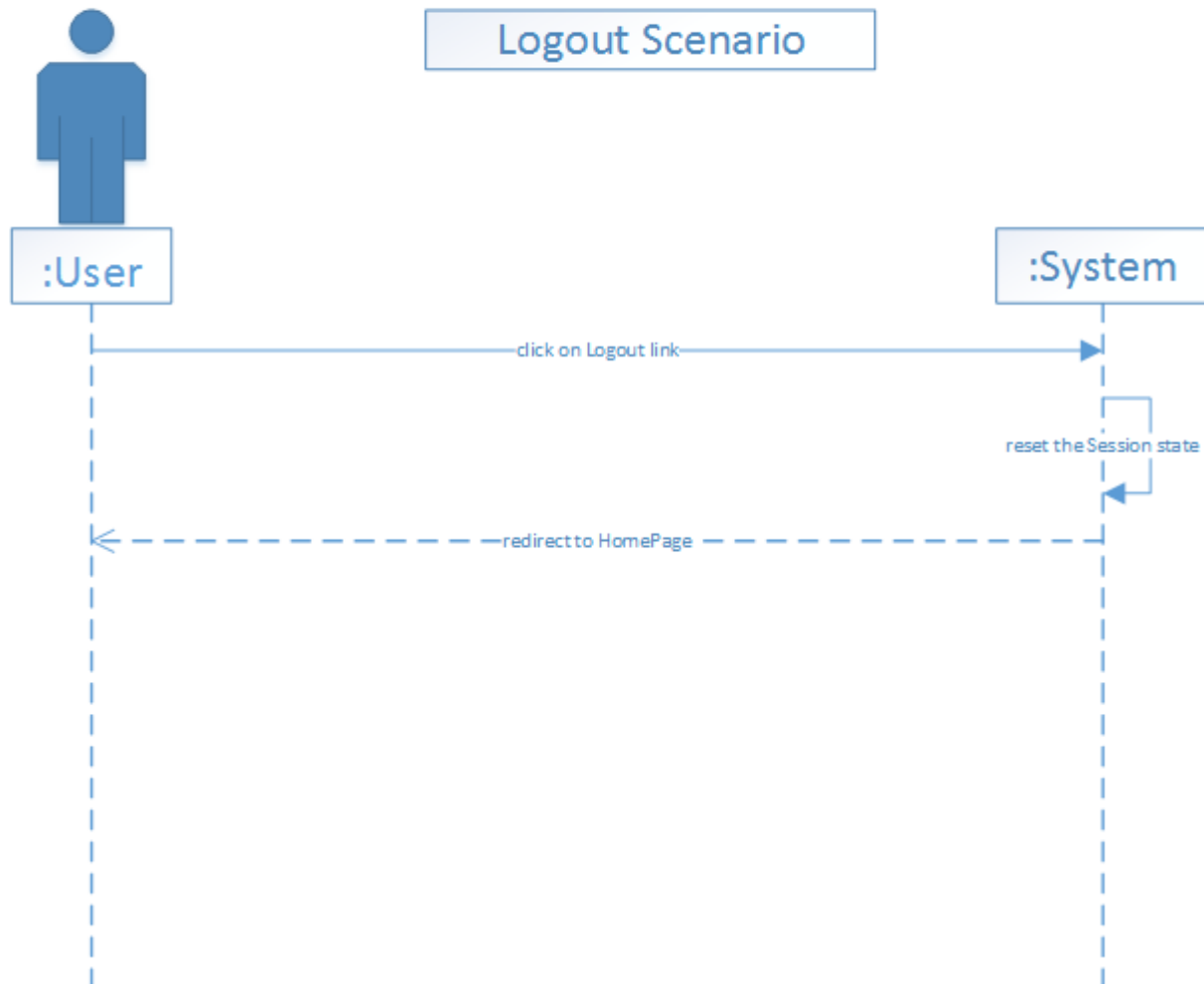
System Sequence

Login Scenario



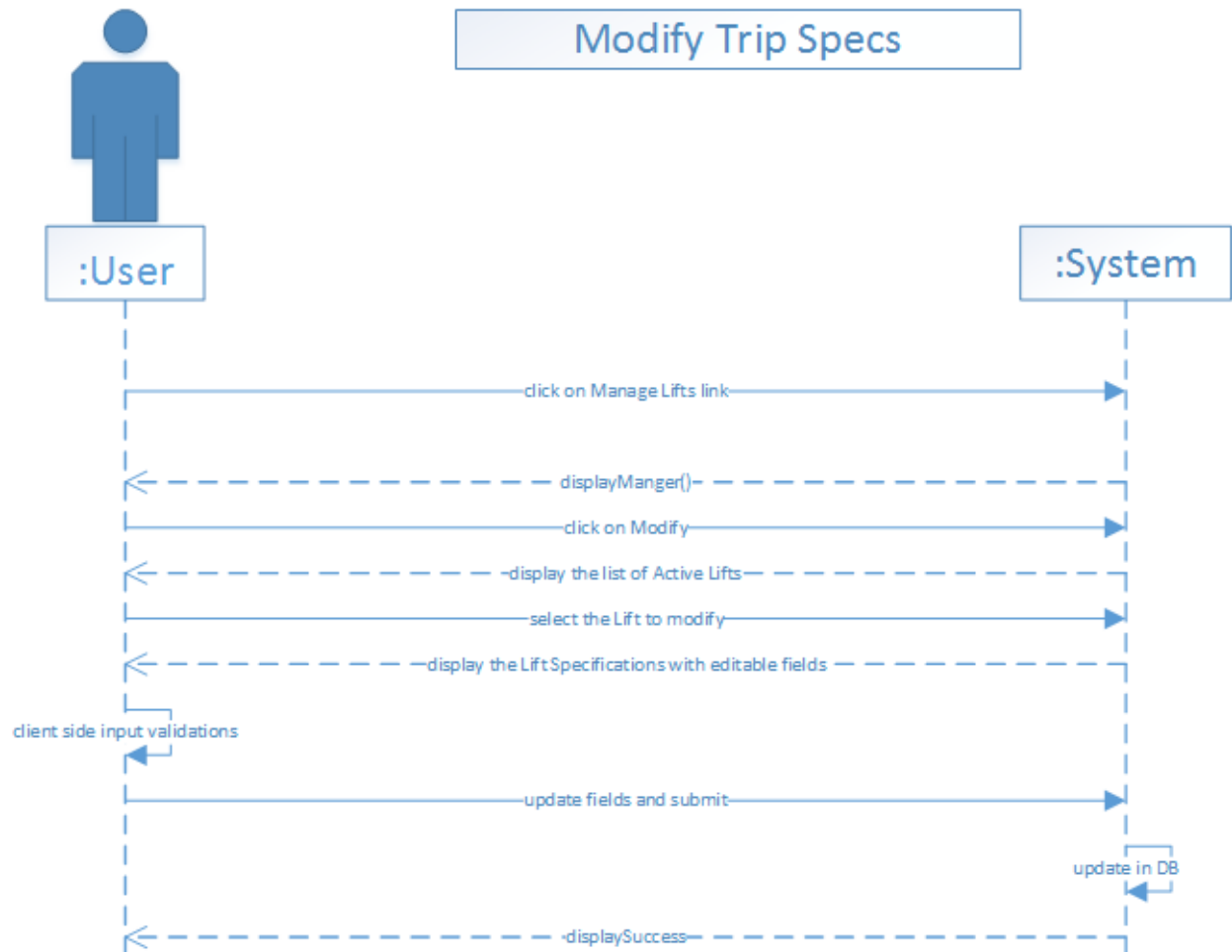
System Sequence

Logout Scenario

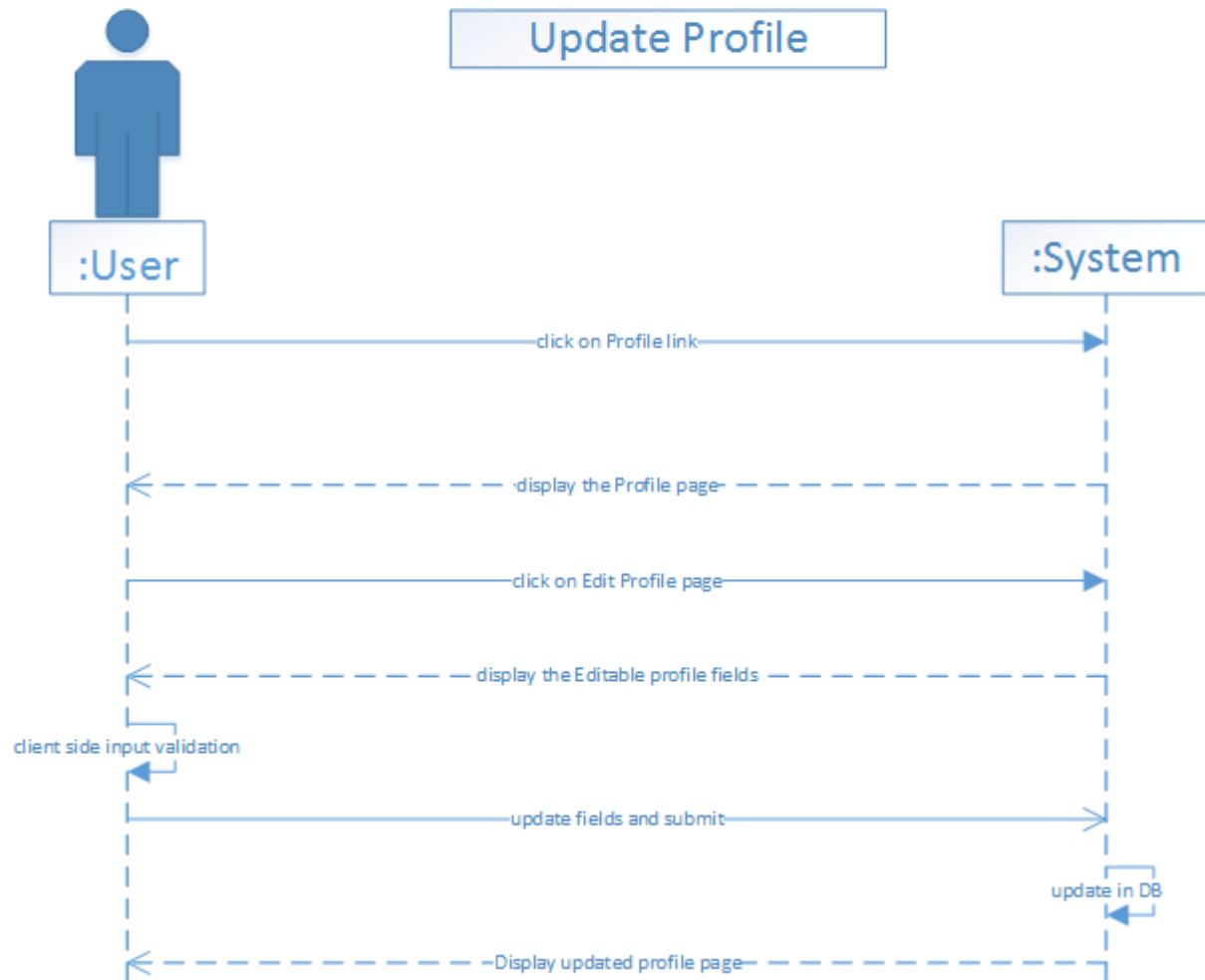


System Sequence

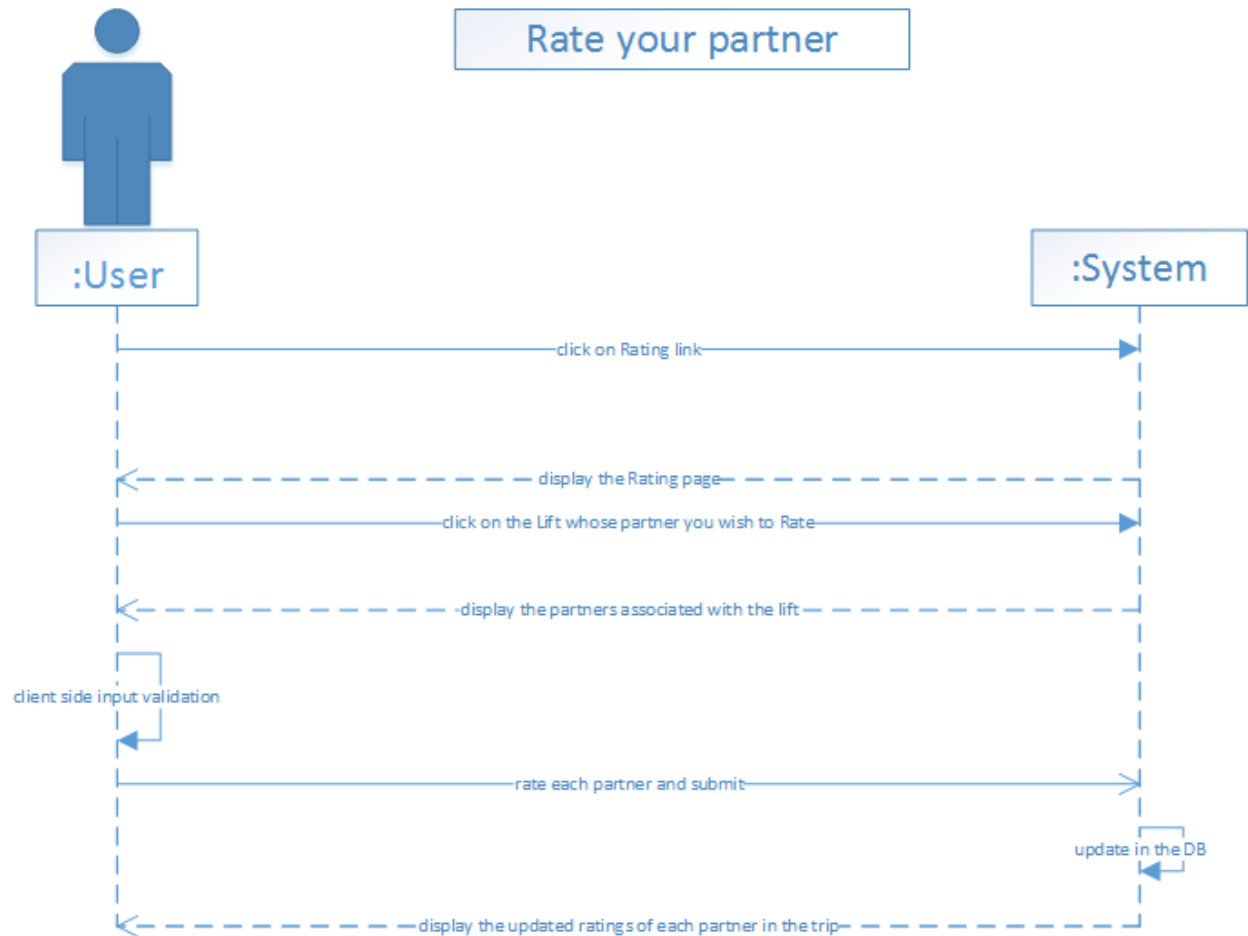
Modify Trip Specs



System Sequence



System Sequence



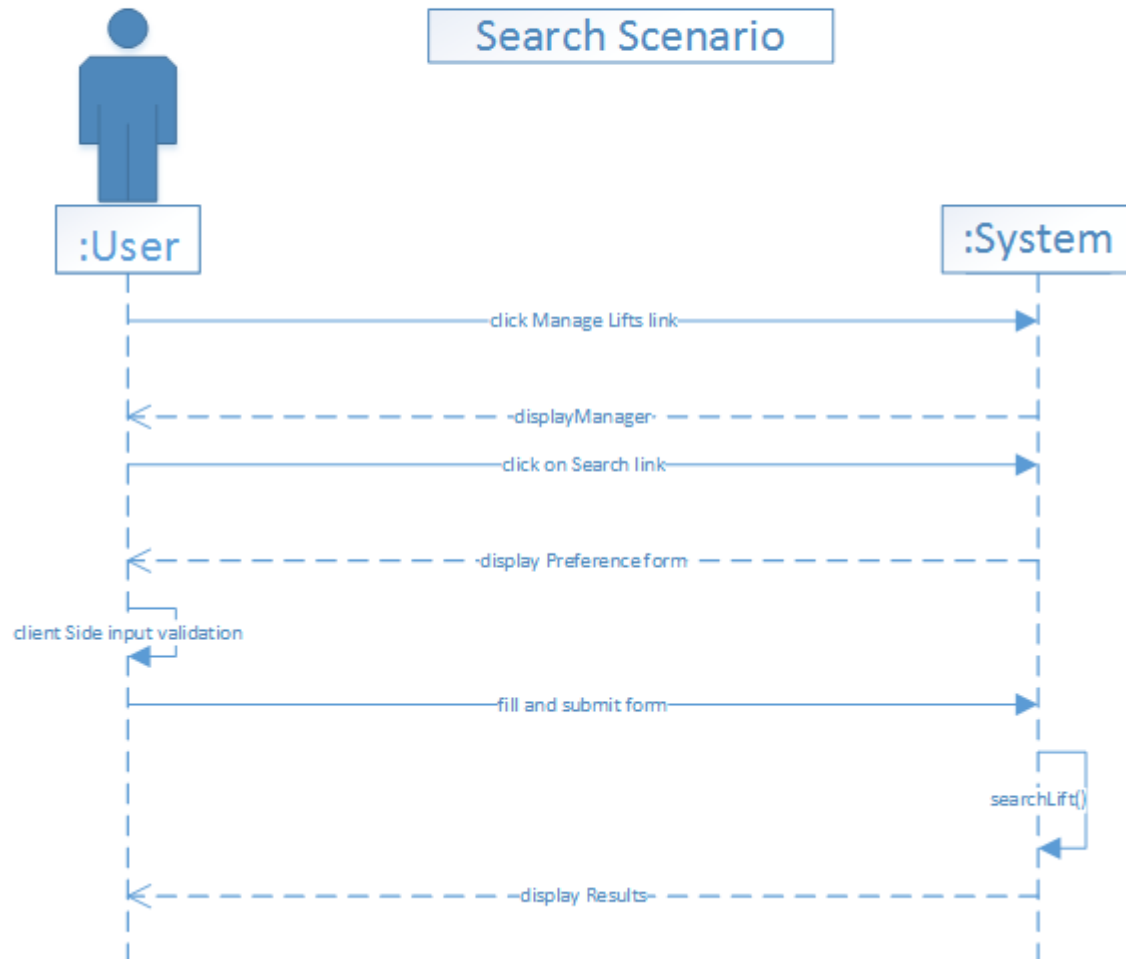
System Sequence

Check Rating



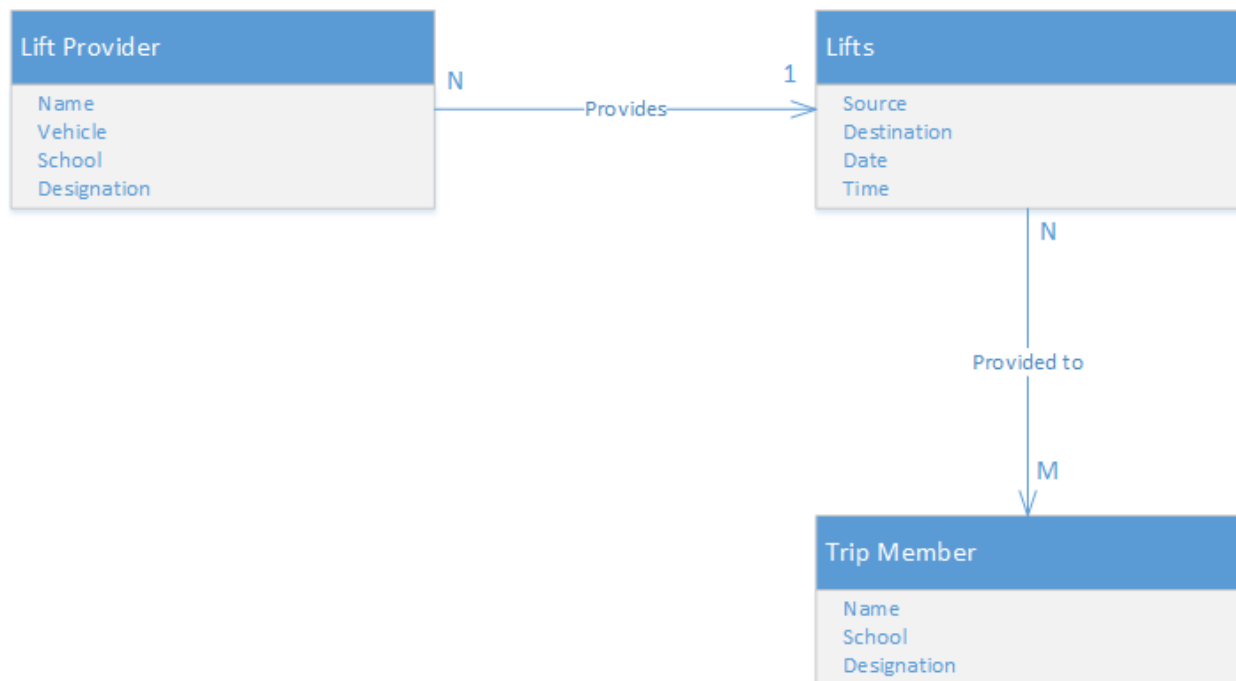
System Sequence

Search Scenario



Domain model

Domain Model



Sequence diagrams

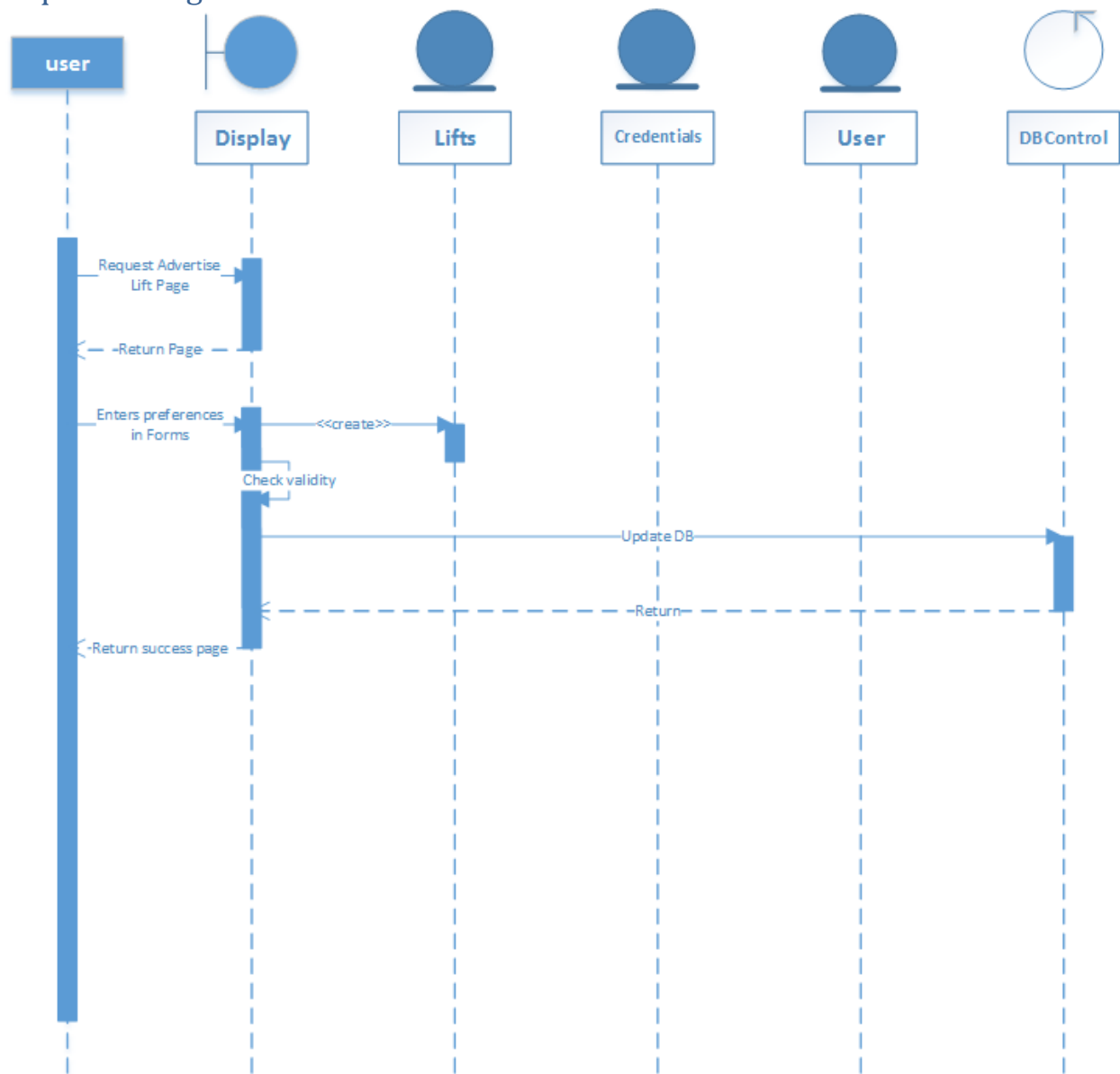


Figure 1 Add Lift

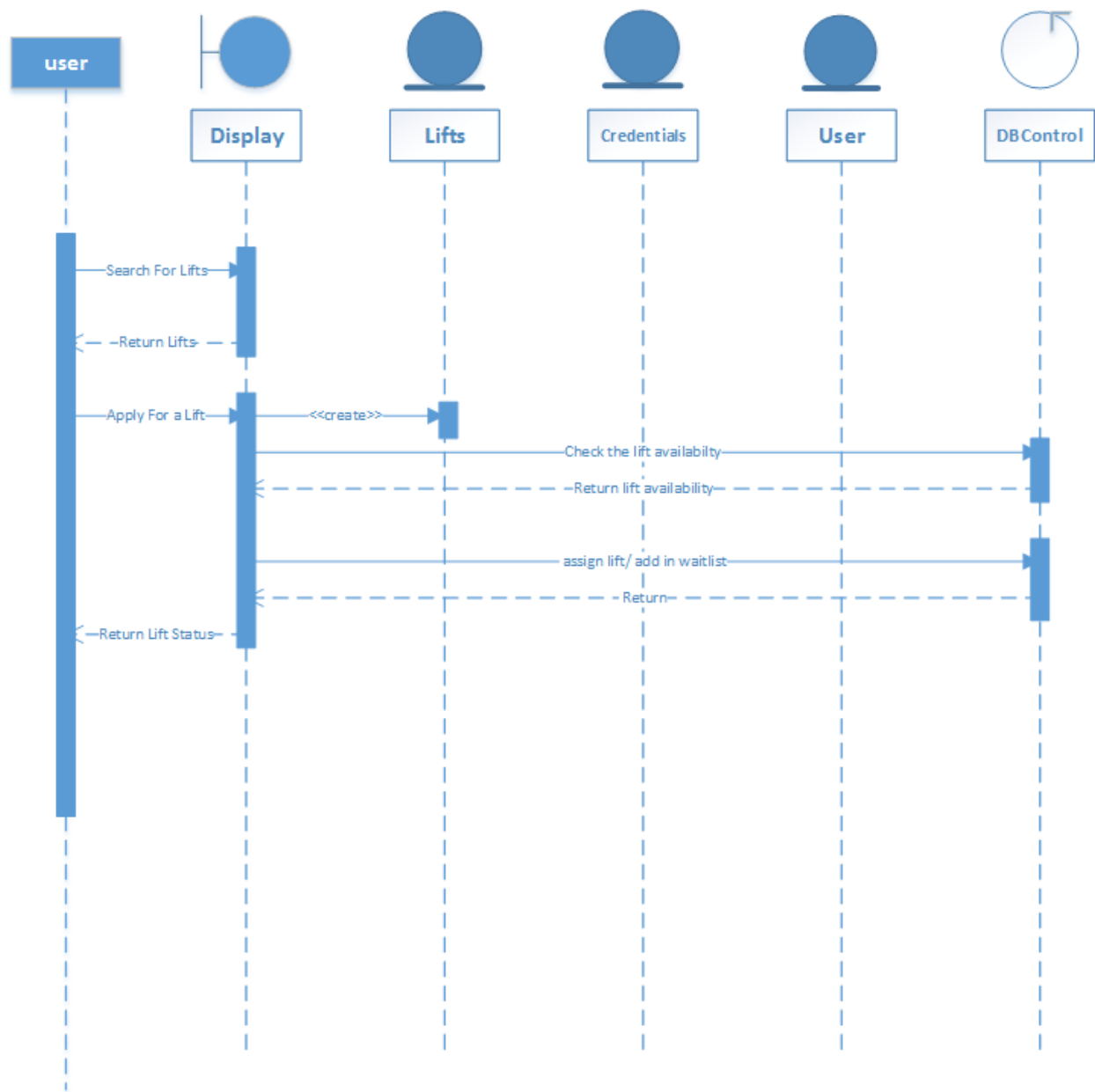


Figure 2 Apply for Lift

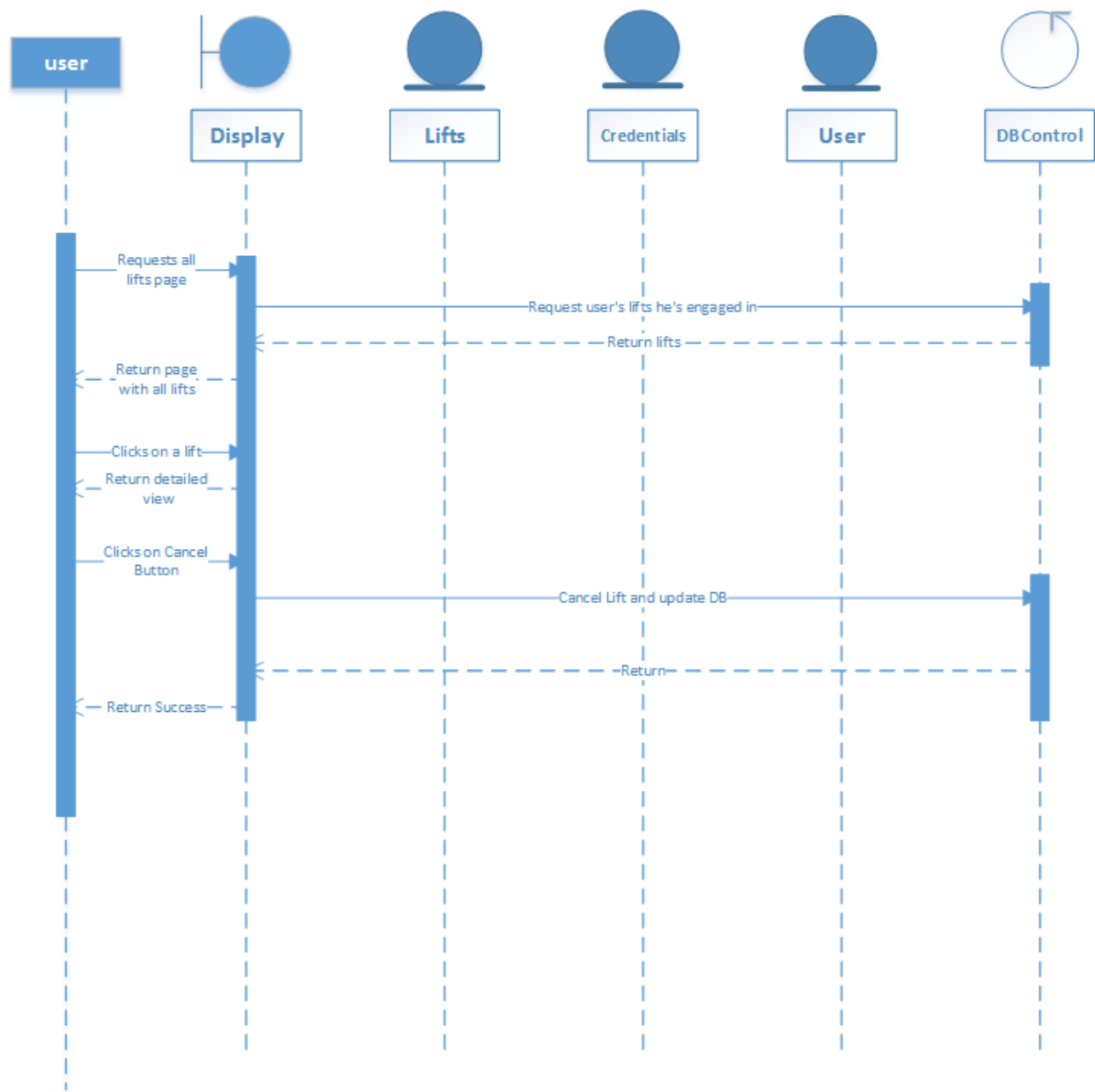


Figure 3 Cancel lift

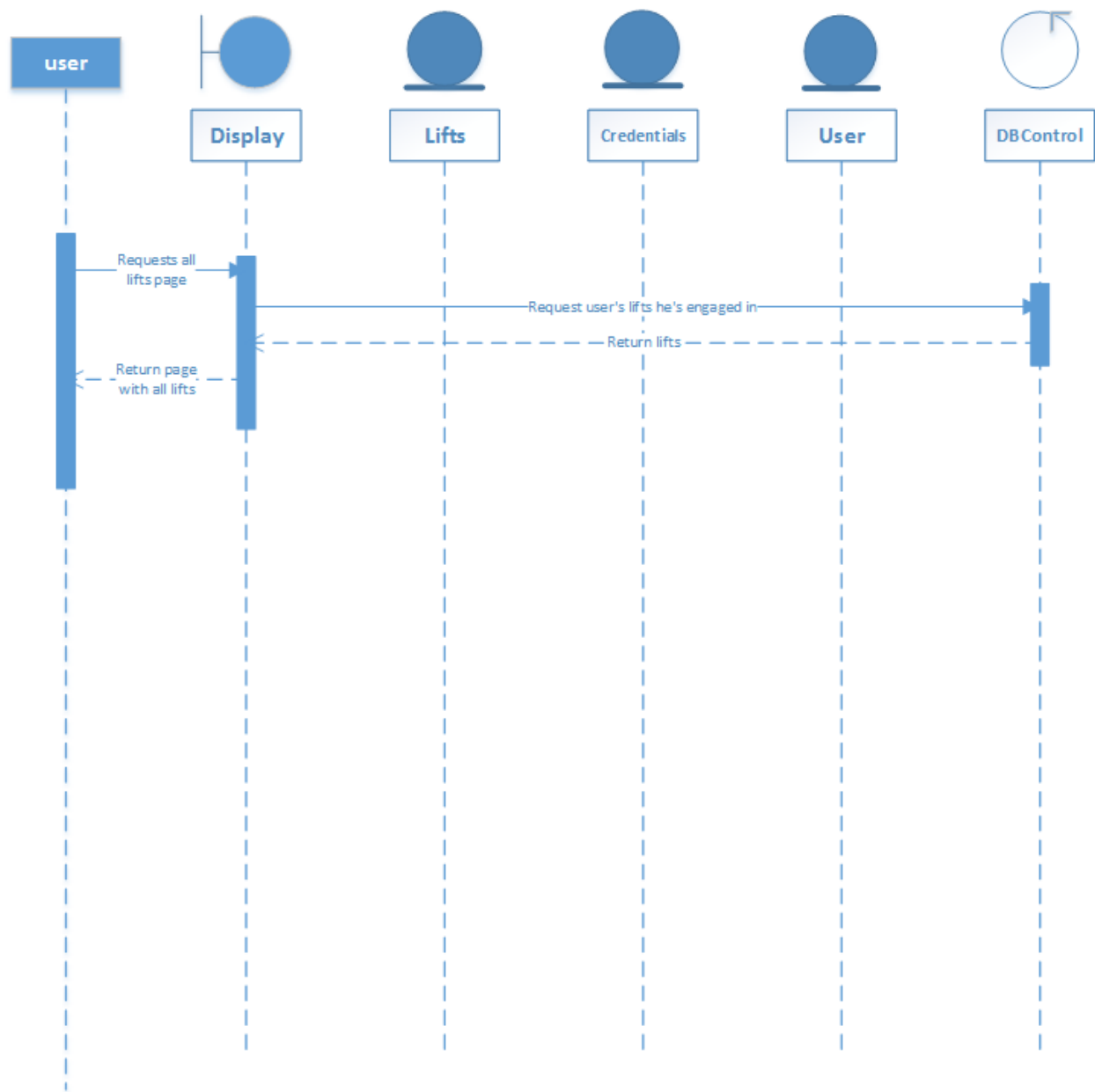


Figure 4 Check own Lifts

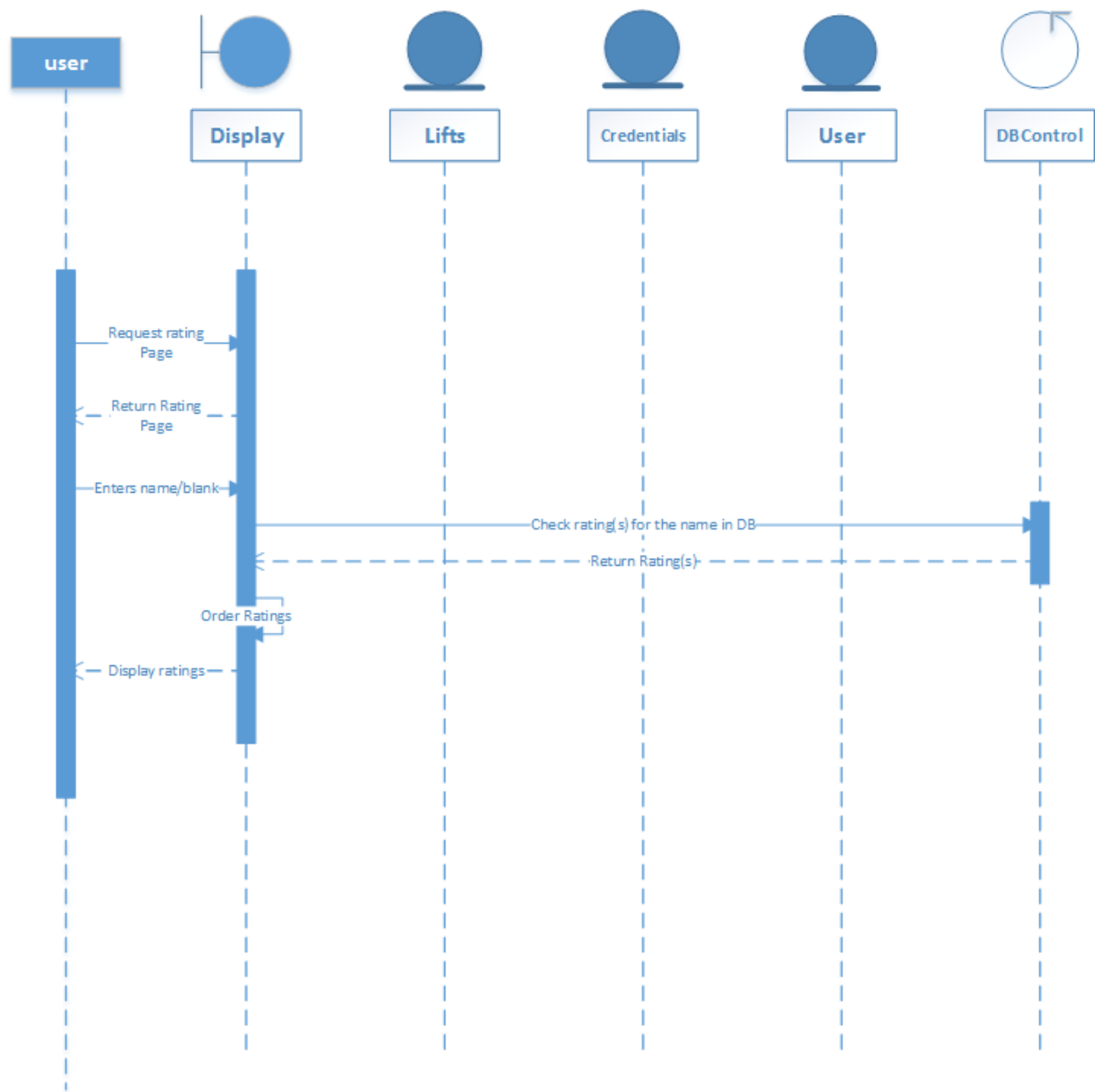


Figure 5 Check Rating

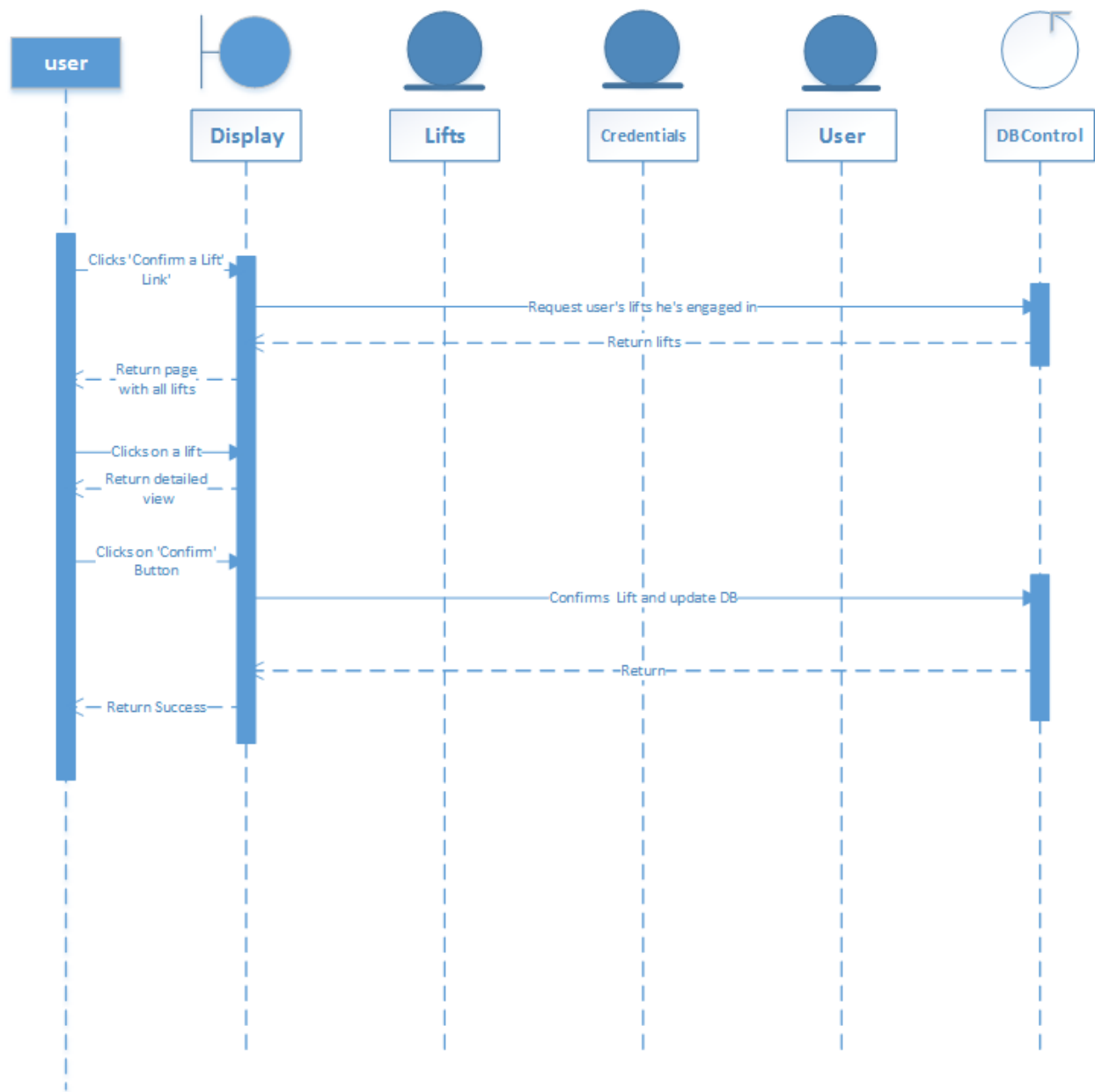


Figure 6 Confirm Lift

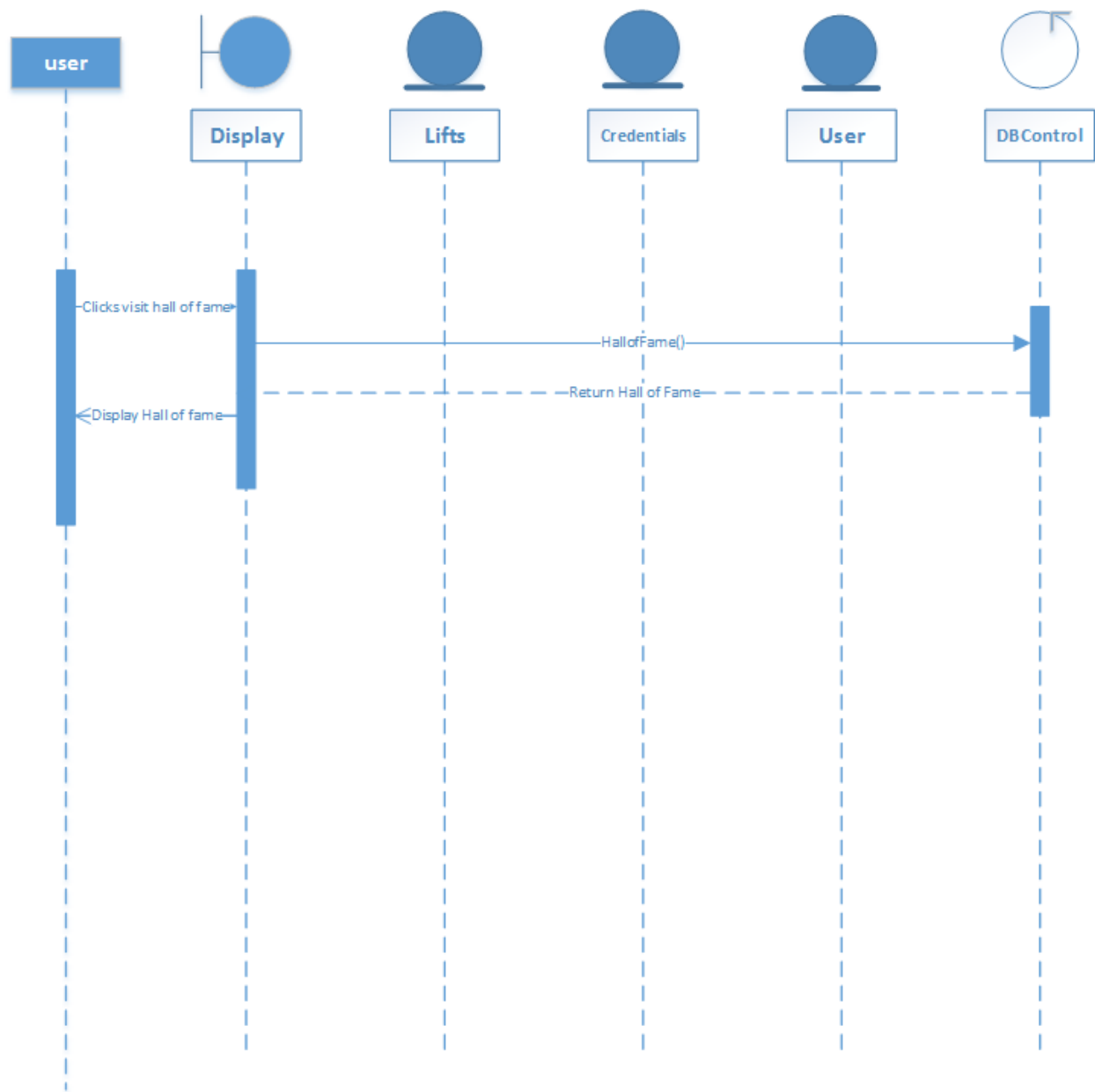


Figure 7 Hall Of Fame

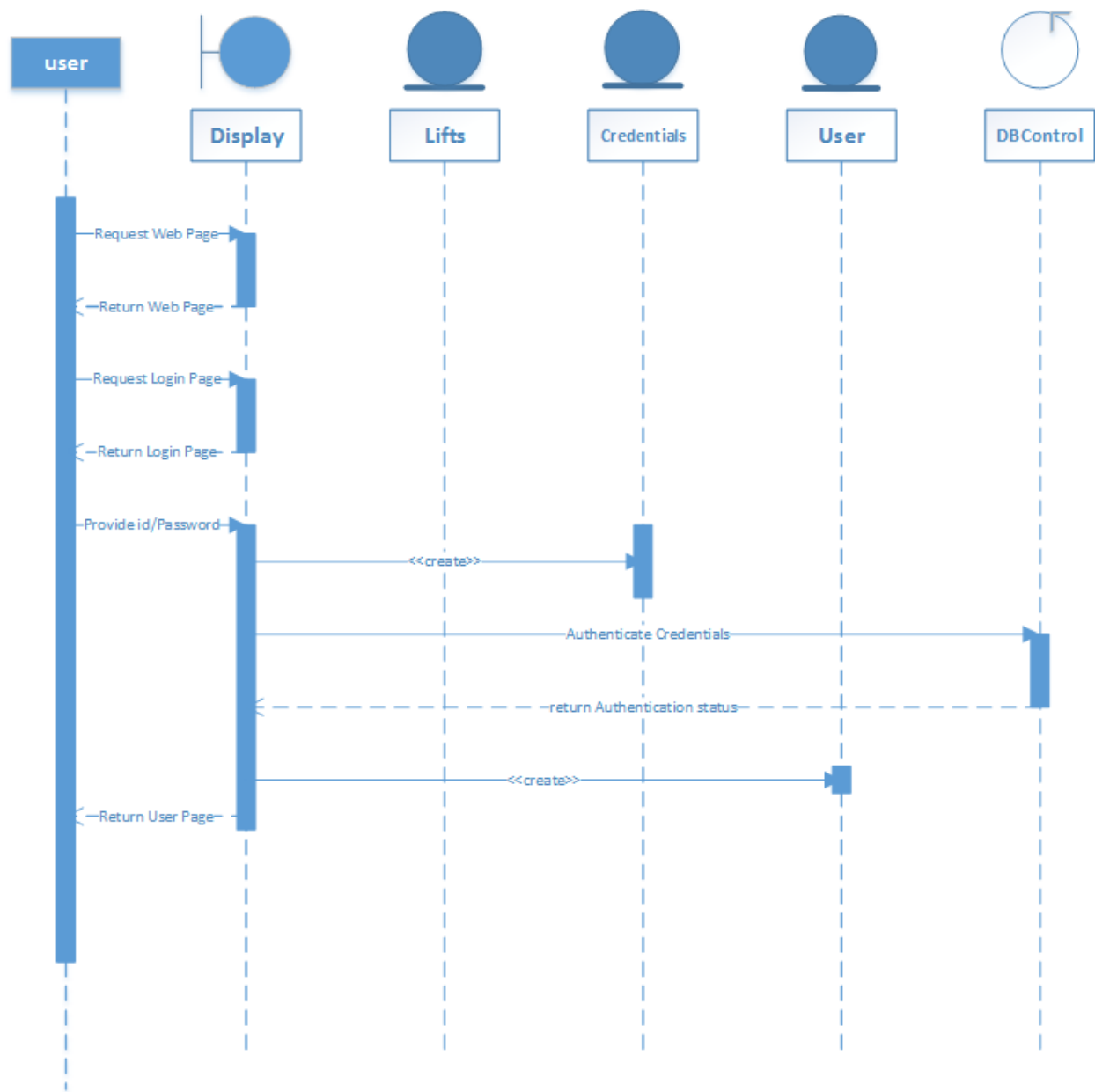


Figure 8 Login

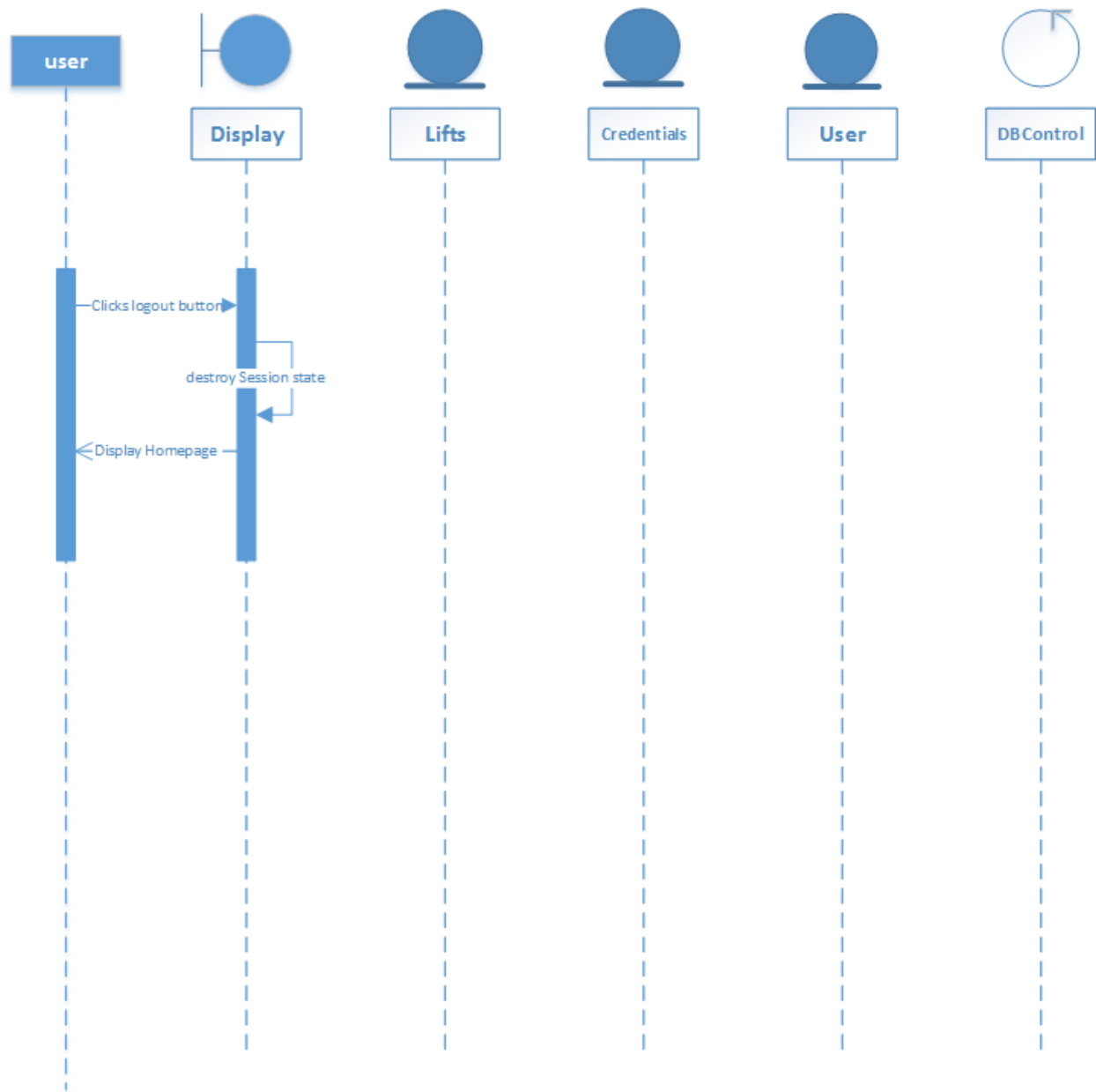


Figure 9 Logout

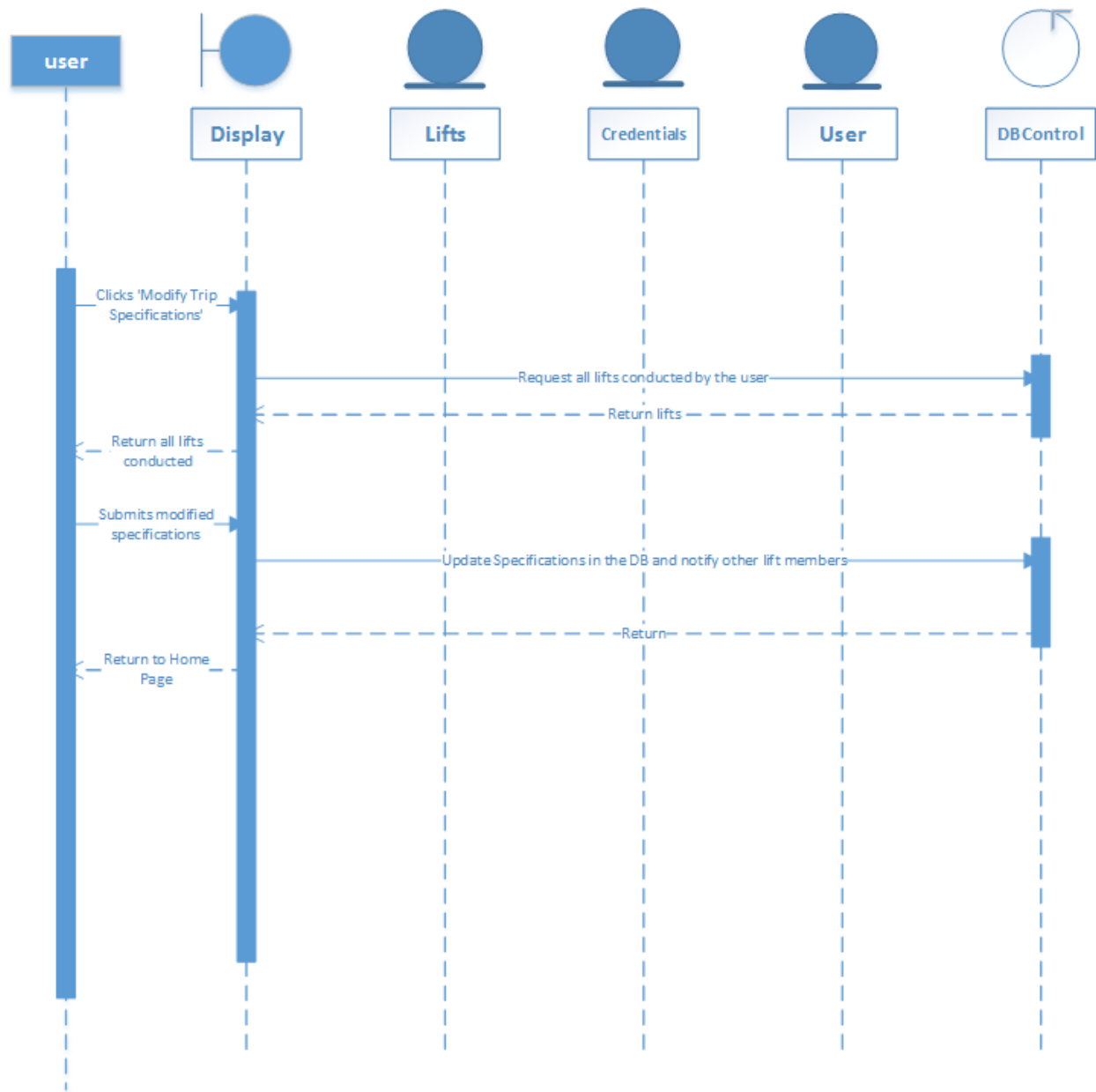


Figure 10 Modify Trip

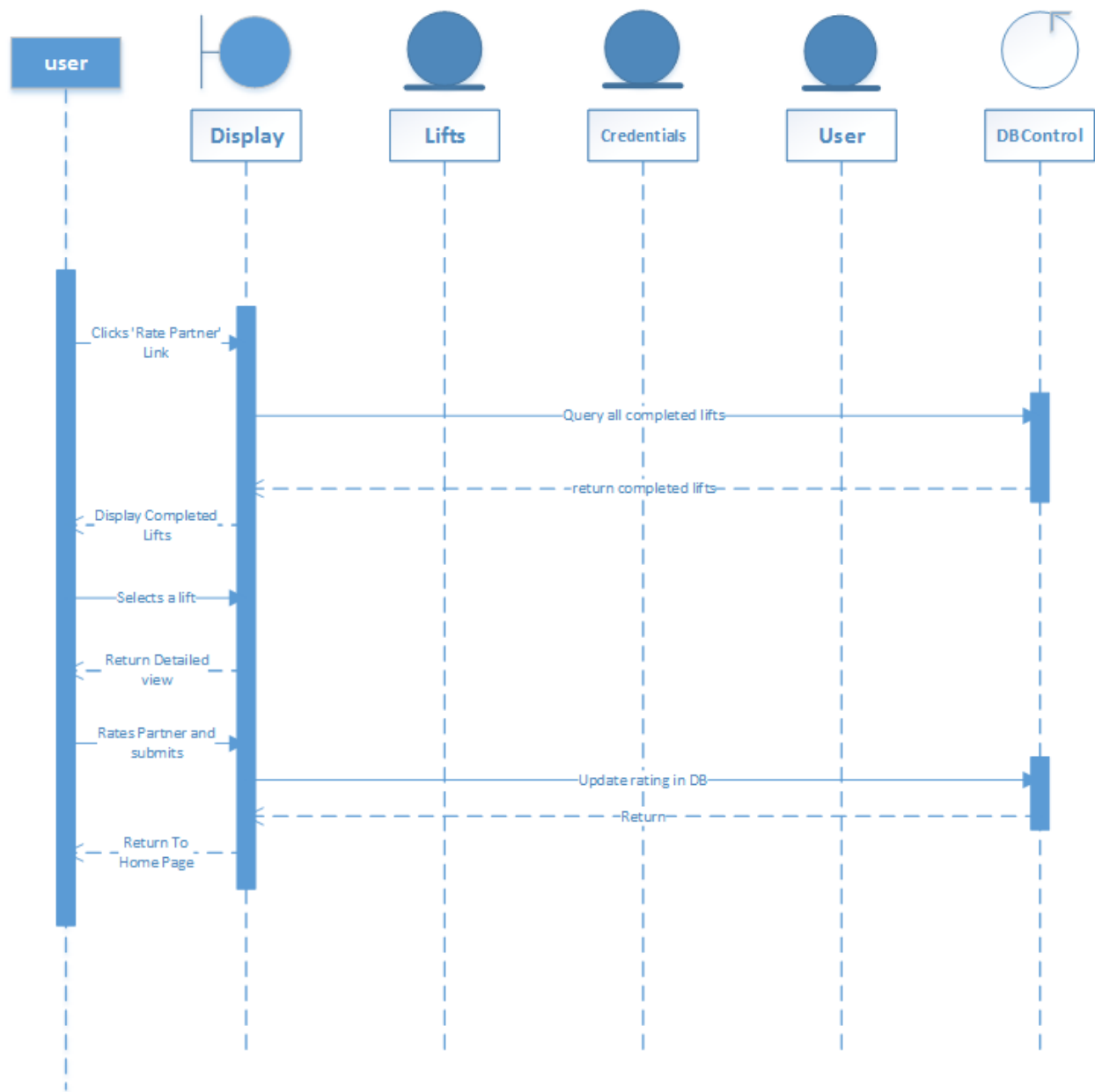


Figure 11 Rate Partner

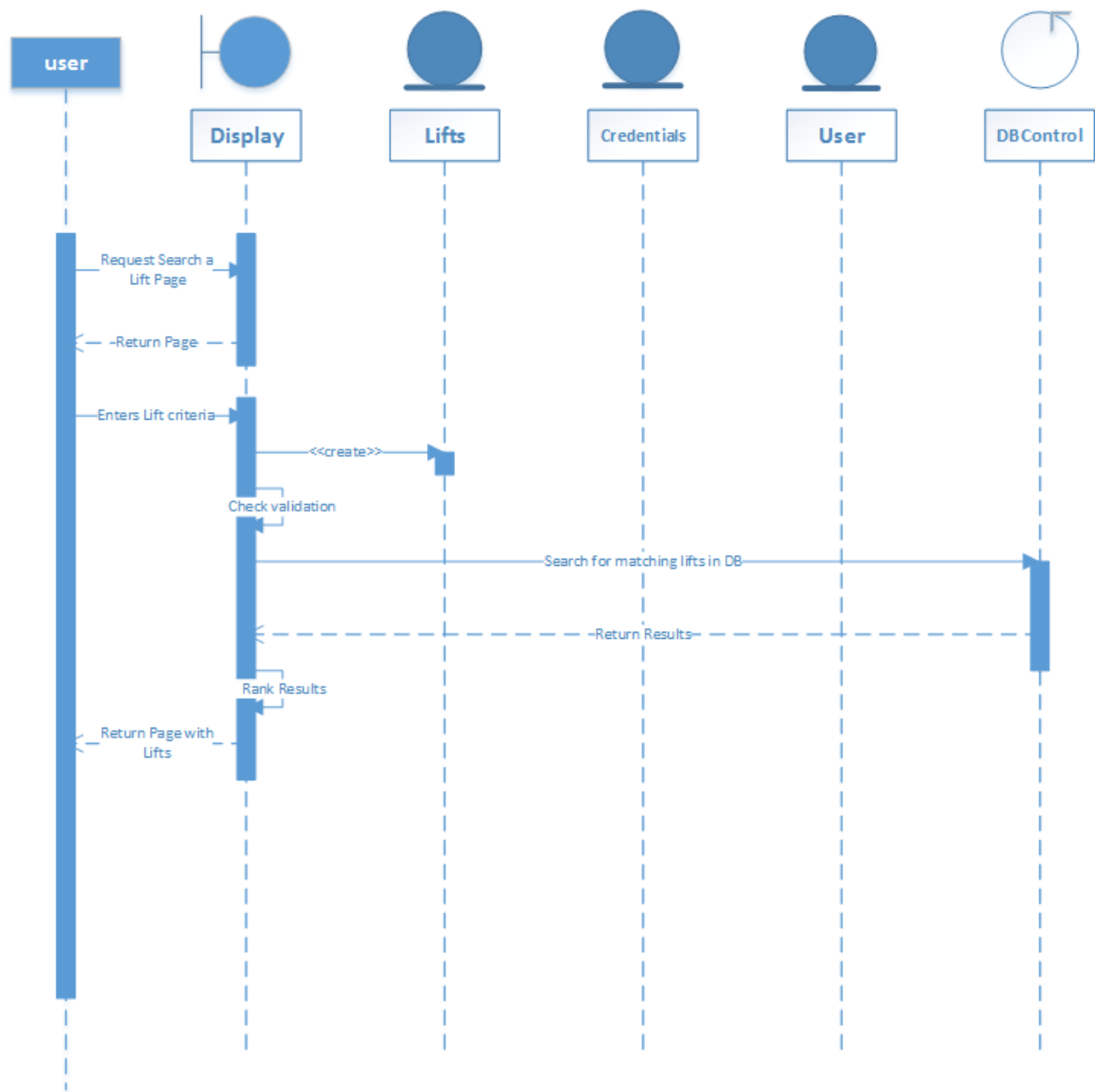


Figure 12 Search Lift

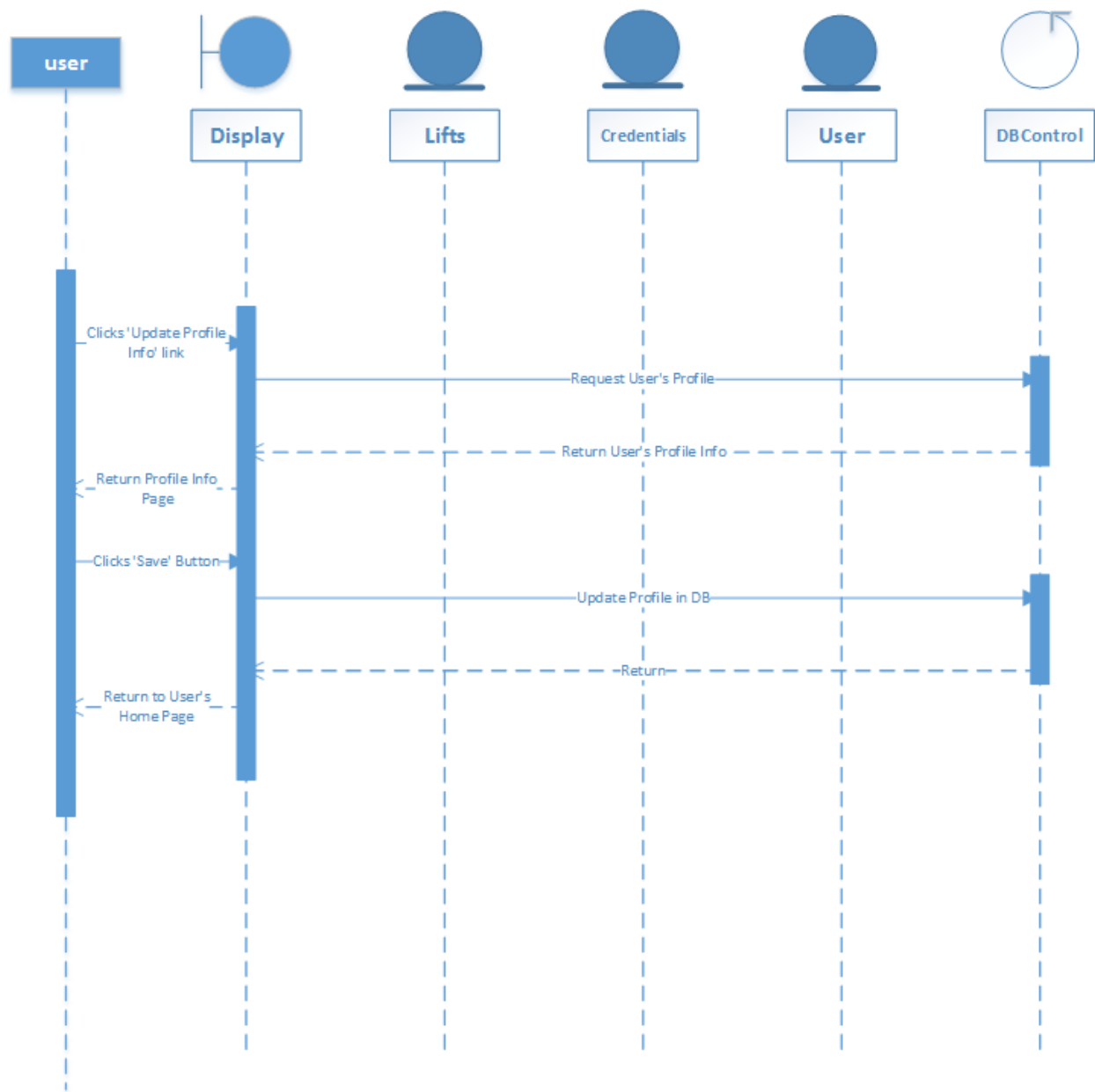
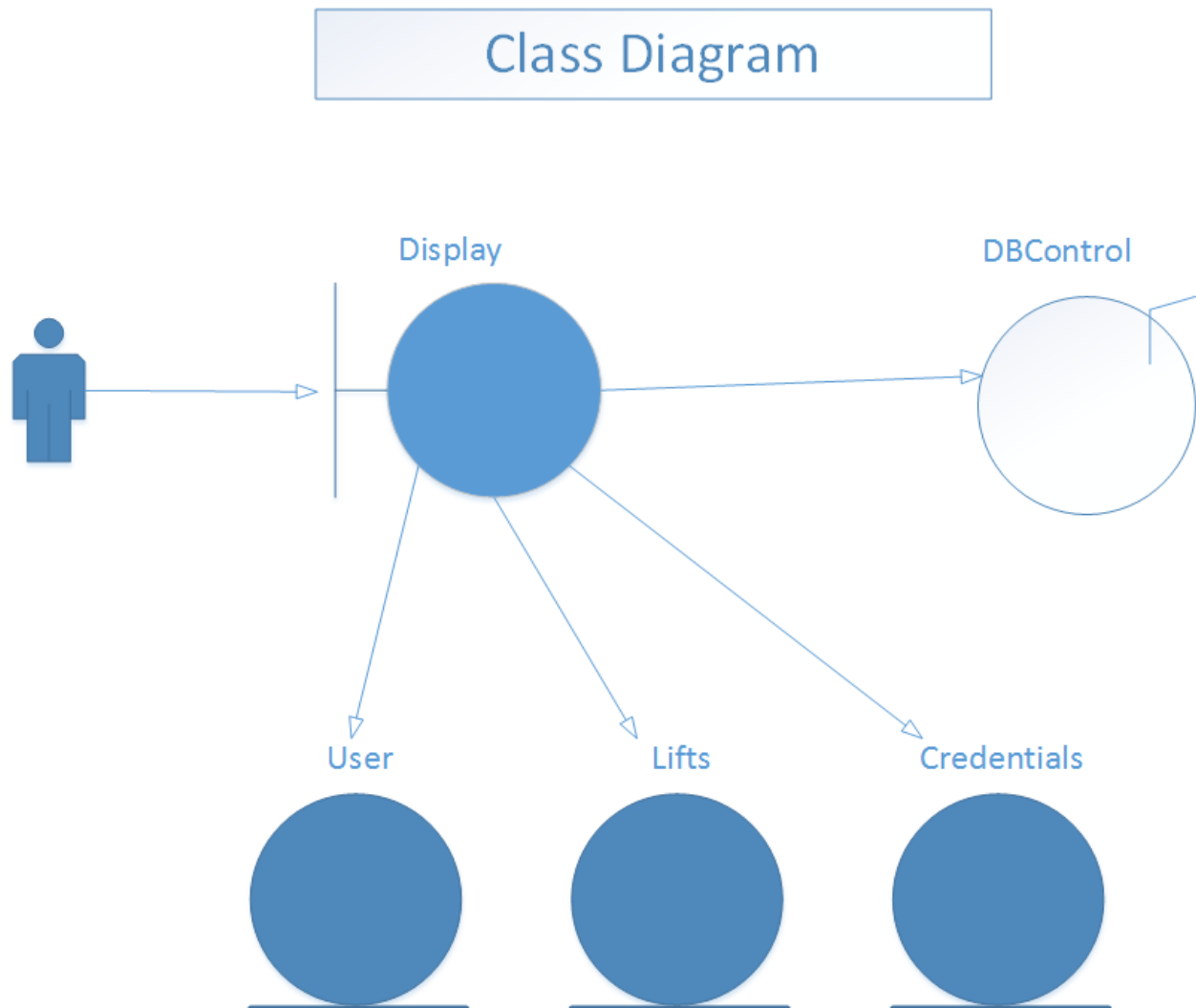


Figure 13 Update Profile

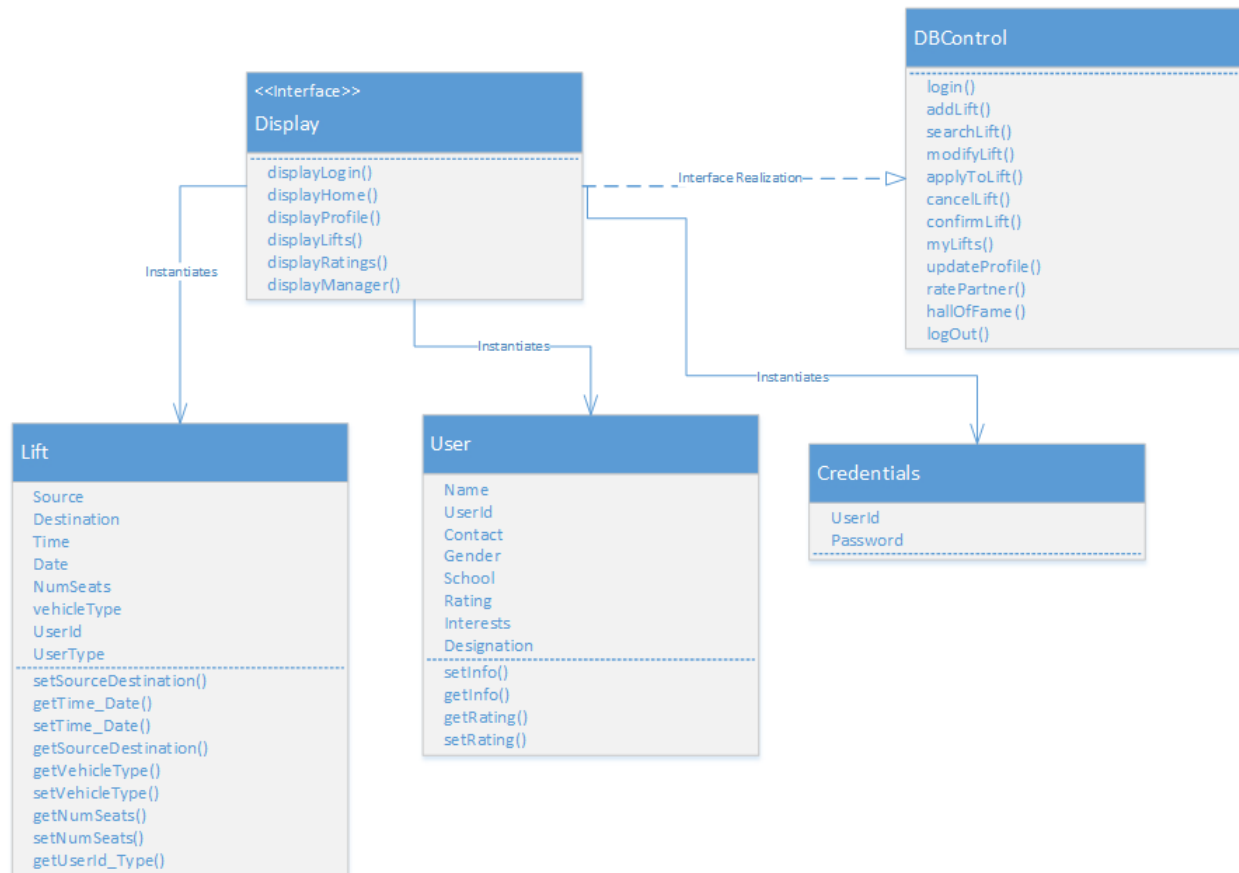
Class diagram

Class Diagram using Entity, Boundary and Control Symbols

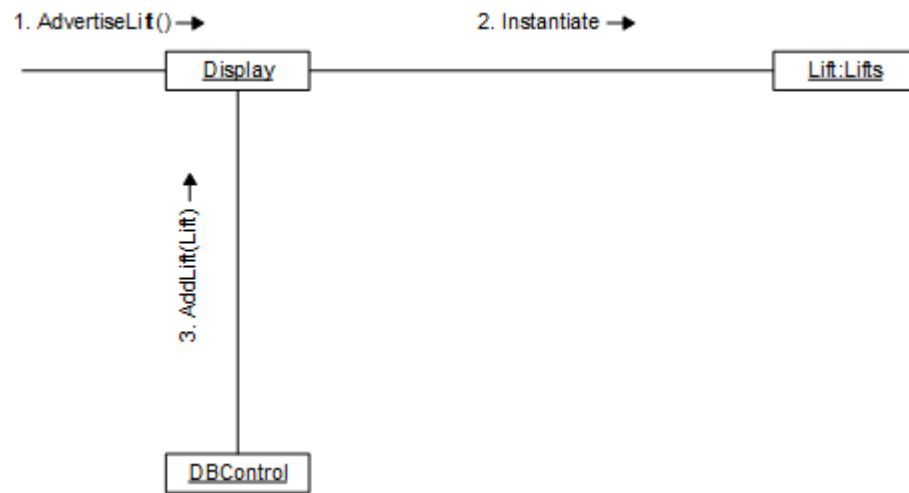


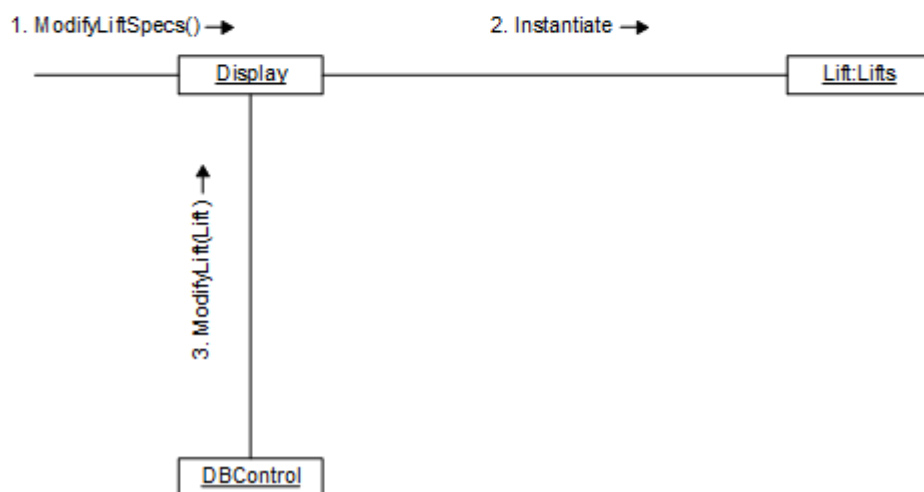
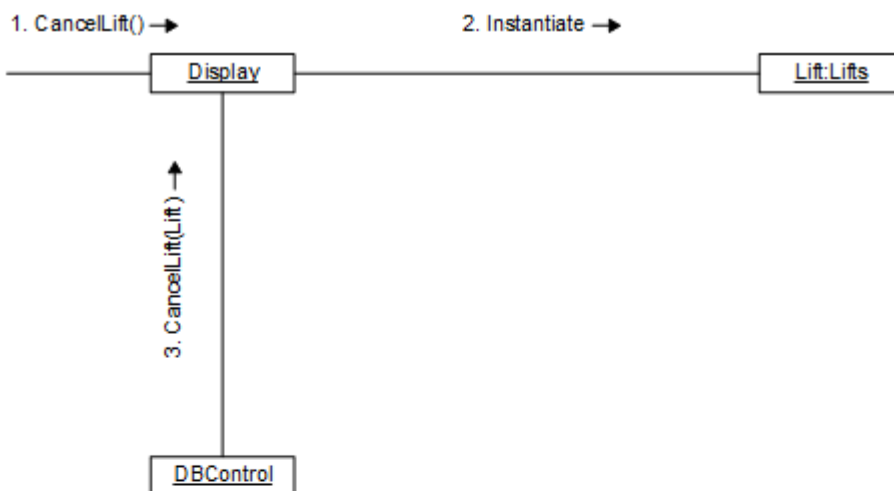
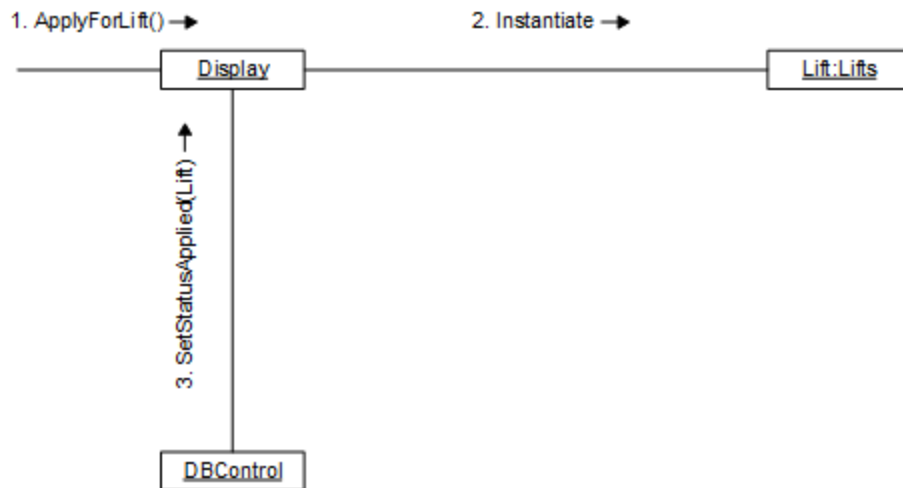
Design Class Diagram with Attributes and Methods

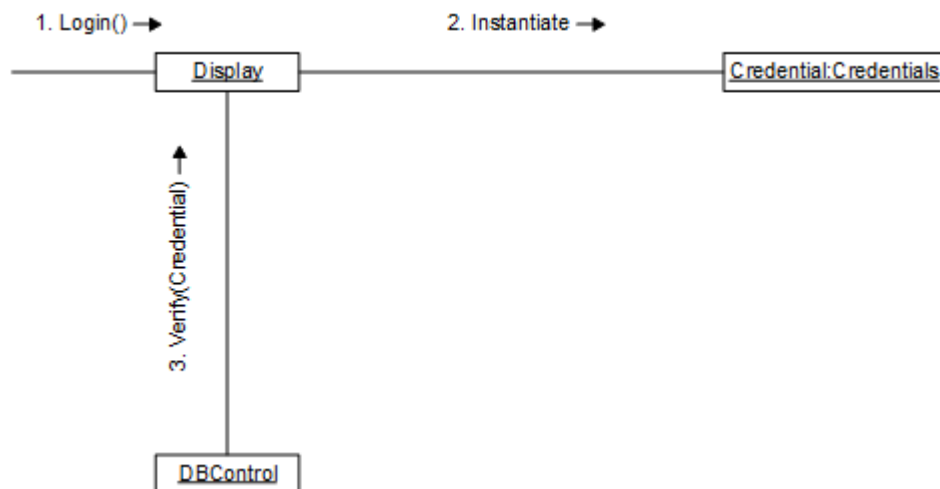
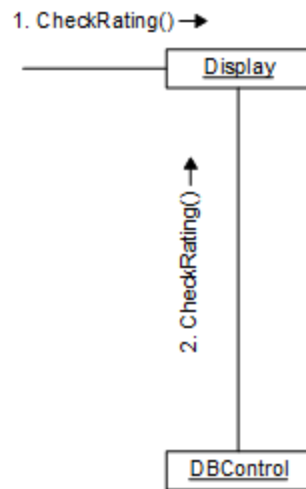
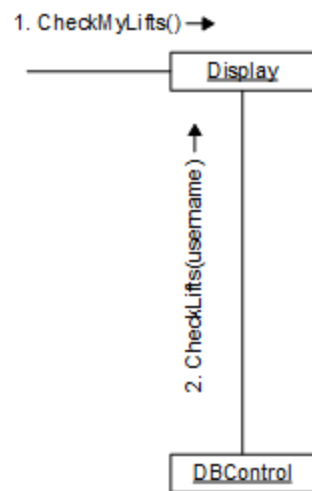
Class Diagram

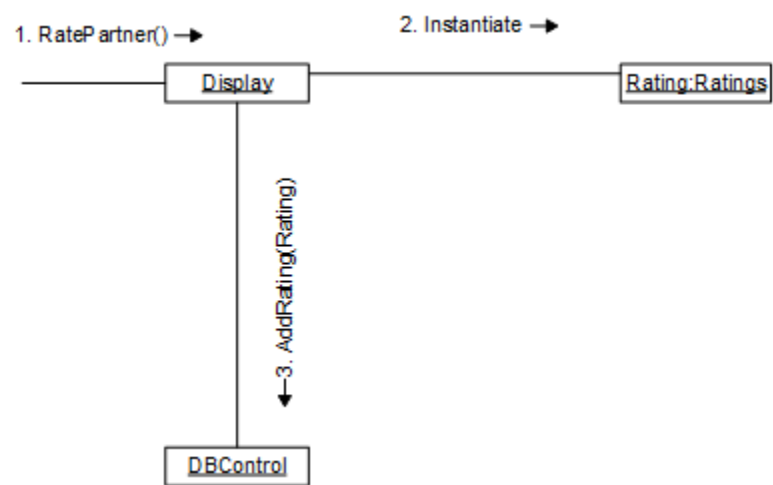
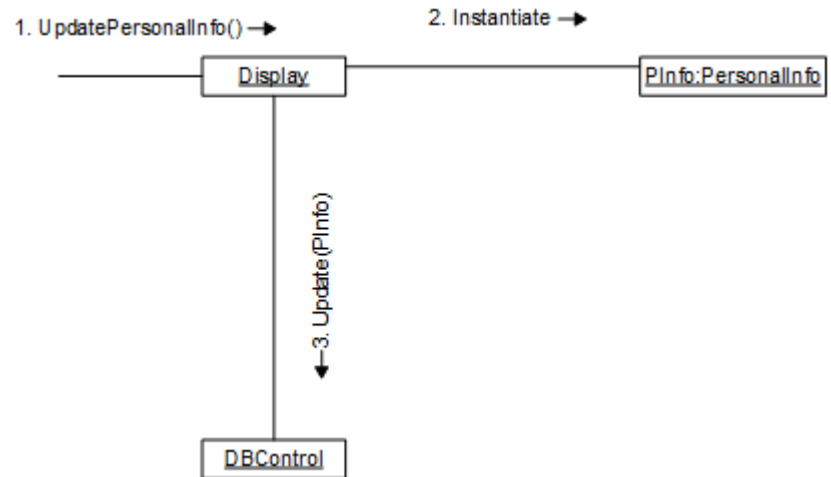


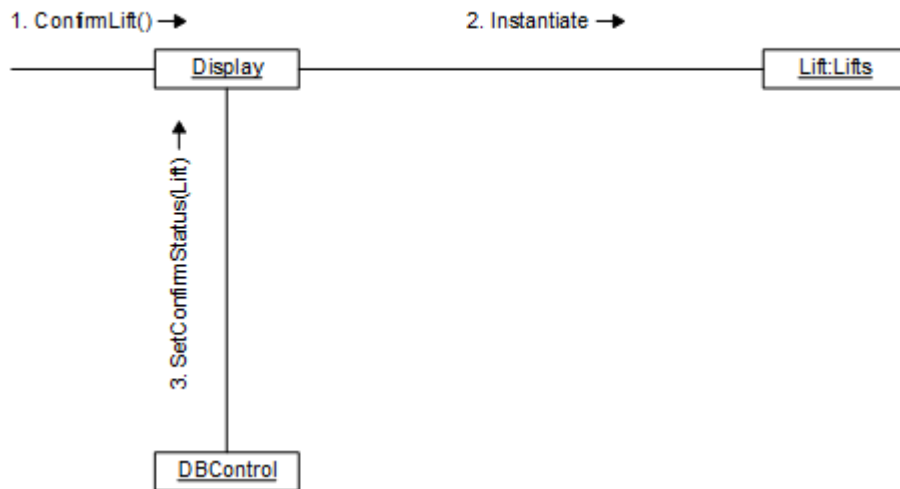
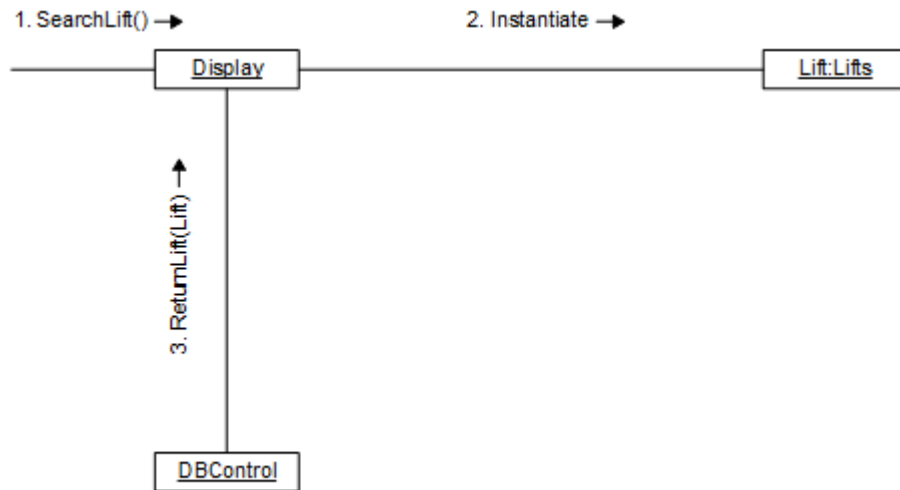
Collaboration Diagrams











State charts

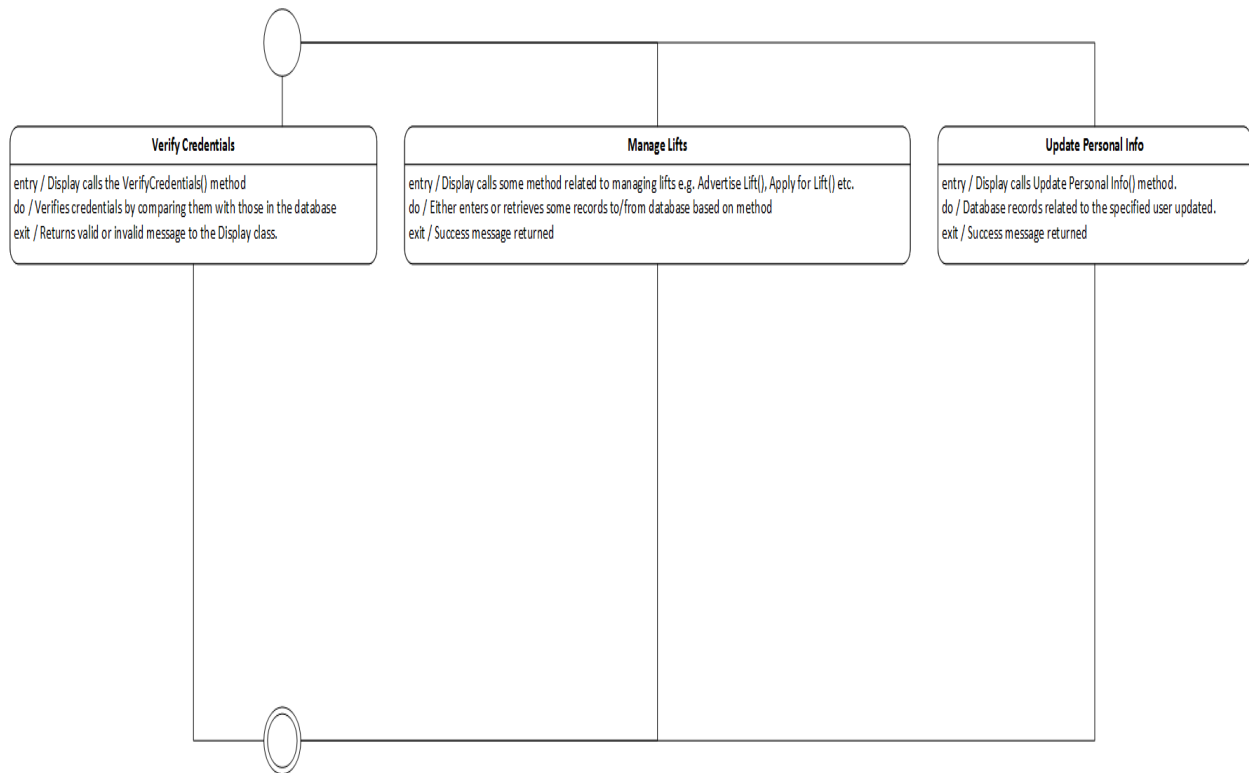


Figure 14 DB Control State Diagram

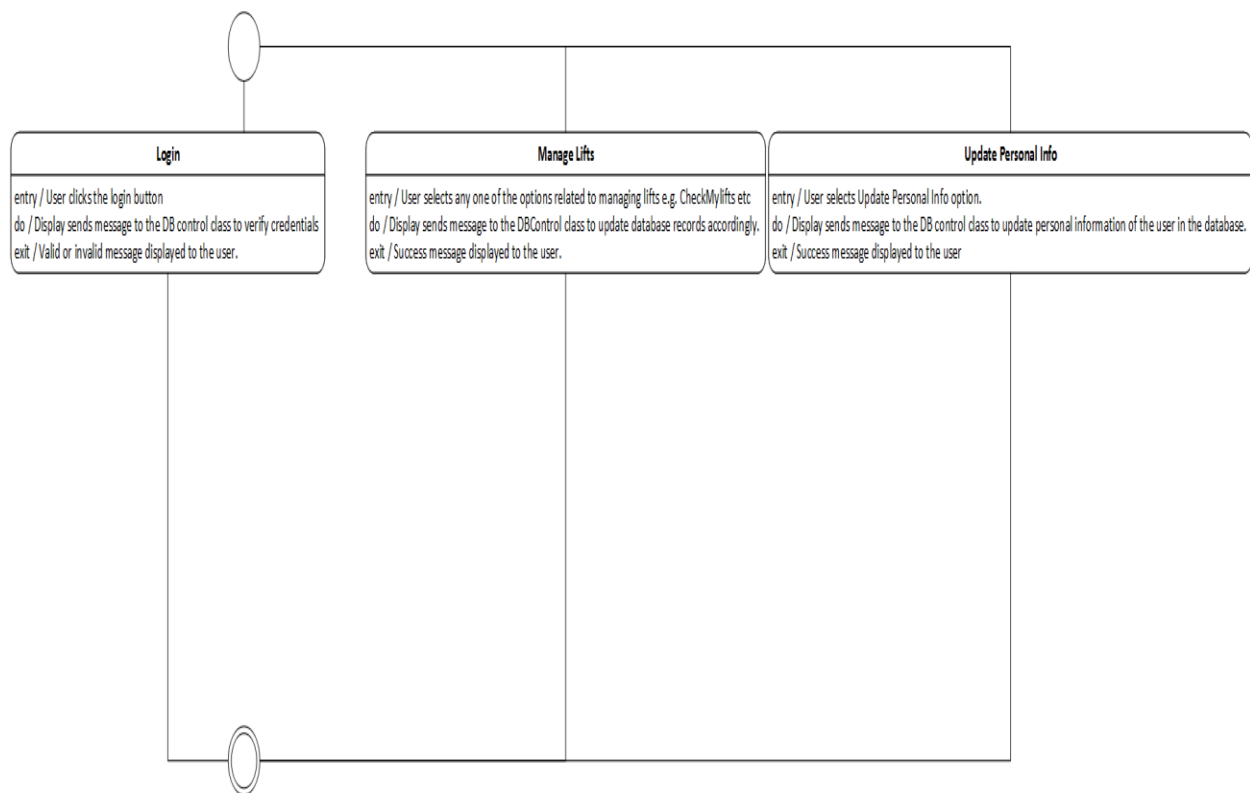
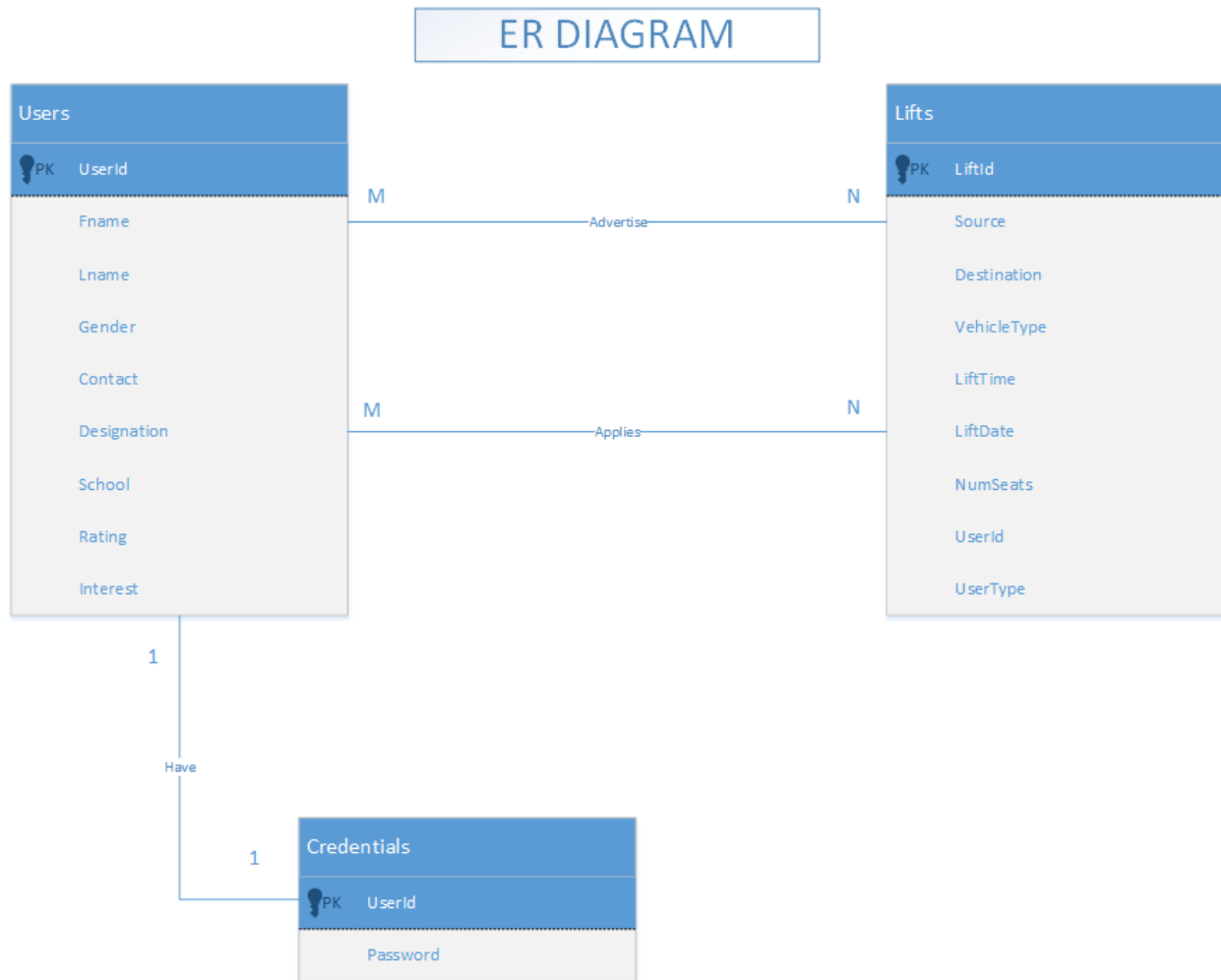


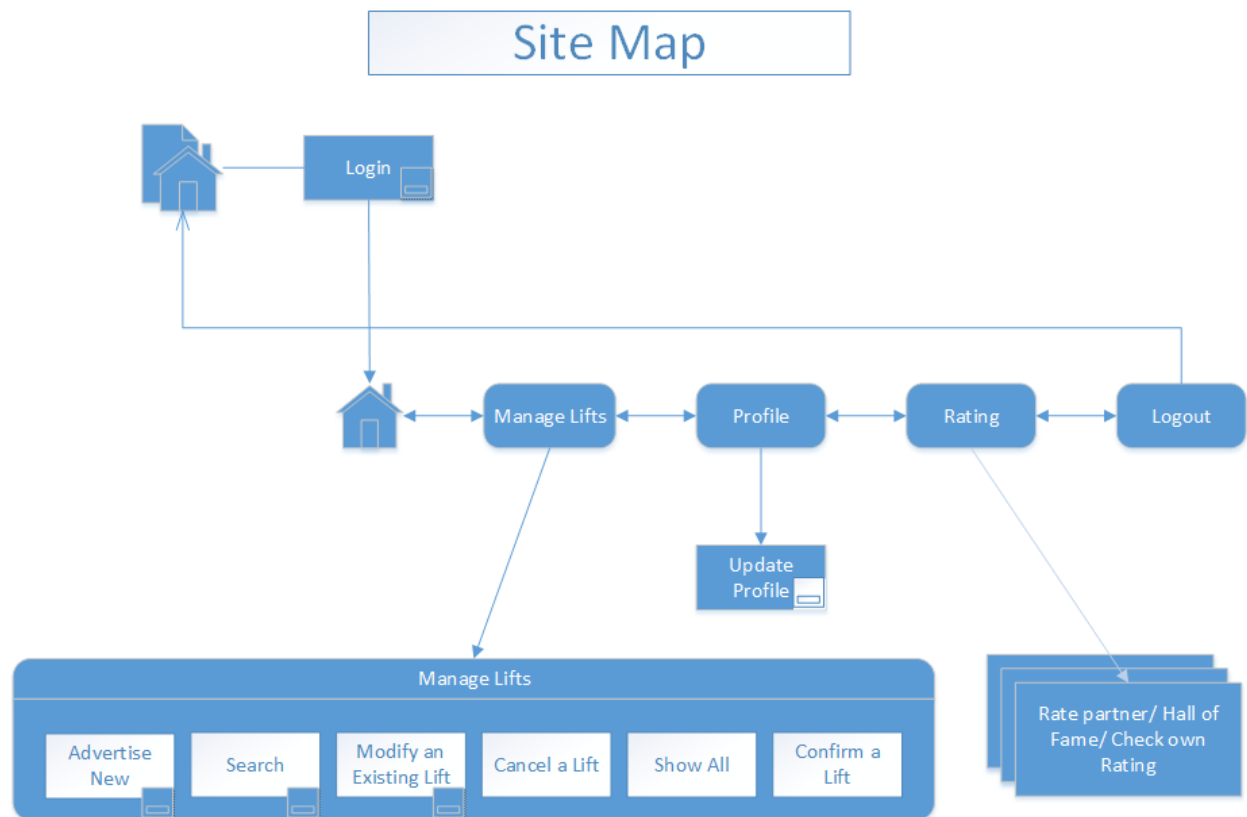
Figure 15 Display State Diagram

The State Diagrams of other Classes are trivial and hence not displayed.

DB Schema/ ERD

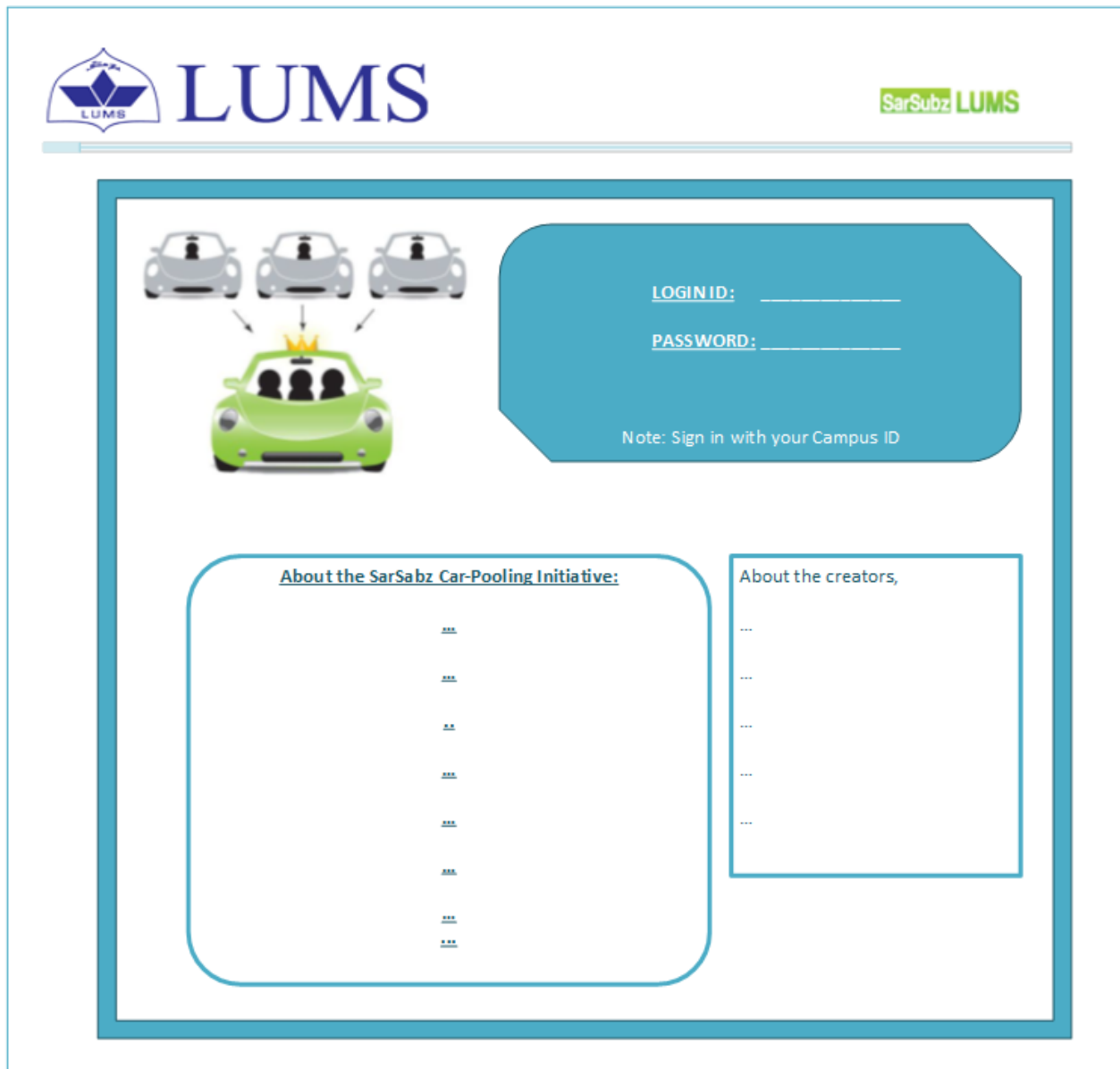


SiteMap



Human Interface Design

Screens





LUMS

SarSubz LUMS

Manage Lifts

Profile



Rating

Logout

New Lift

....

....

....

....

....

....

....

(Form Details Entered Here)

....

....

....

....

....

....

....



LUMS

SarSubz LUMS

Manage Lifts

Profile

Rating

Logout



Cancel A Lift

.(Choose a trip that needs to be cancelled from the list of all existing trips that user is registered in.)

....

....

....

....

....

....

....

....

....

....

....

....

....

....



LUMS

SarSubz LUMS

Manage Lifts

Profile



Rating

Logout

Confirm A Lift

....

....

....

....

....

....

....

(Message which reminds about trip)

....

....

....

....

....

....

....



LUMS

SarSubz LUMS

Manage Lifts

Profile

Rating

Logout



Picture Collage
(Slide Show)

Please choose an option:-

Advertise Now



Cancel A Lift

Search



Show All

Modify an
Existing Lift



Confirm A Life



LUMS

SarSubz LUMS

Manage Lifts

Profile

Rating

Logout



Modify An Existing Lift

....

....

....

....

....

....

....

....

(Edit Details After Selecting The Lift Here)

....

....

....

....

....

....

....

....



LUMS

SarSubz LUMS

Manage Lifts

Profile

Rating

Logout



Search

....

....

....

....

....

....

....

....

(Search Details/Specifics Entered Here)

....

....

....

....

....

....

....

....



LUMS

SarSubz LUMS

Manage Lifts

Profile

Rating

Logout



Show All Lifts

....

....

....

....

....

....

....

(Display Details Of All Lifts)

....

....

....

....

....

....

....



LUMS

SarSubz LUMS

Manage Lifts



Profile

Rating

Logout

[Update Profile](#)



Personal Details

Name:

Contact:

Email ID:

About Me:

.....

.....

Picture Collage
(Slide Show)



LUMS

SarSubz LUMS

Manage Lifts

Profile

Rating

Logout



Update Profile

....

....

....

....

....

....

....

....

(Display all details of a user)
(To be edited)

....

....

....

....

....

....

....

Save Profile



LUMS

SarSubz LUMS

Manage Lifts



Profile



Rating

Logout

Please choose an action:-

Rate Partner

Hall of Fame

Check Own
Rating

Picture Collage
(Slide Show)



LUMS

SarSubz LUMS

Manage Lifts



Profile



Rating

Logout

Welcome!

(Welcome Message)

Collage of Pictures in Runtime
(Slide Show)

Message From The VC

(Message insert here)

Navigation Flow

