

Deliverable #3

(Systems Development Methodologies)

New System Design

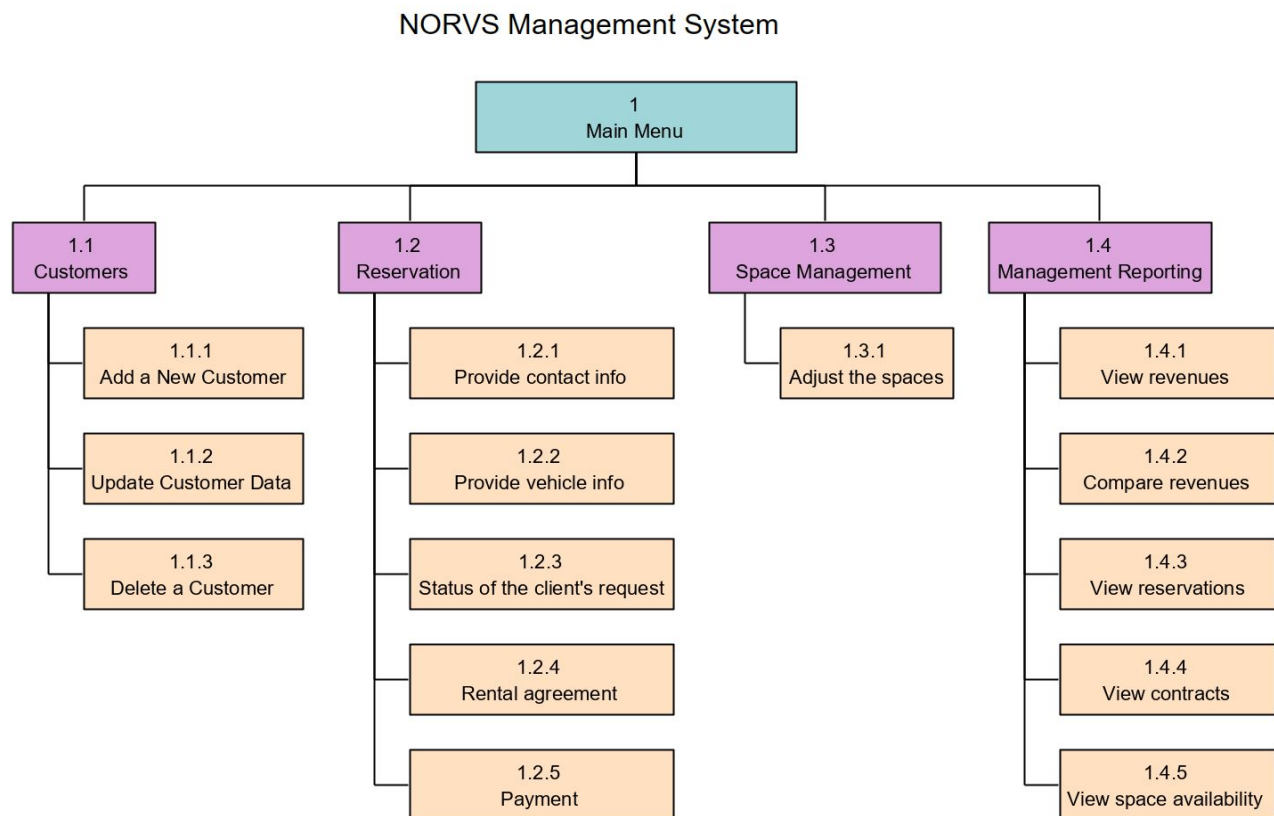
No	Course	Instructor	Group #	Name	ID
1	SYST28951	Ronak Sheth	6	Justin Bola	991570328
2				Jaehyung Lee	991554141
3				Hae Eun Park	991538217

*Group Name: Group 6

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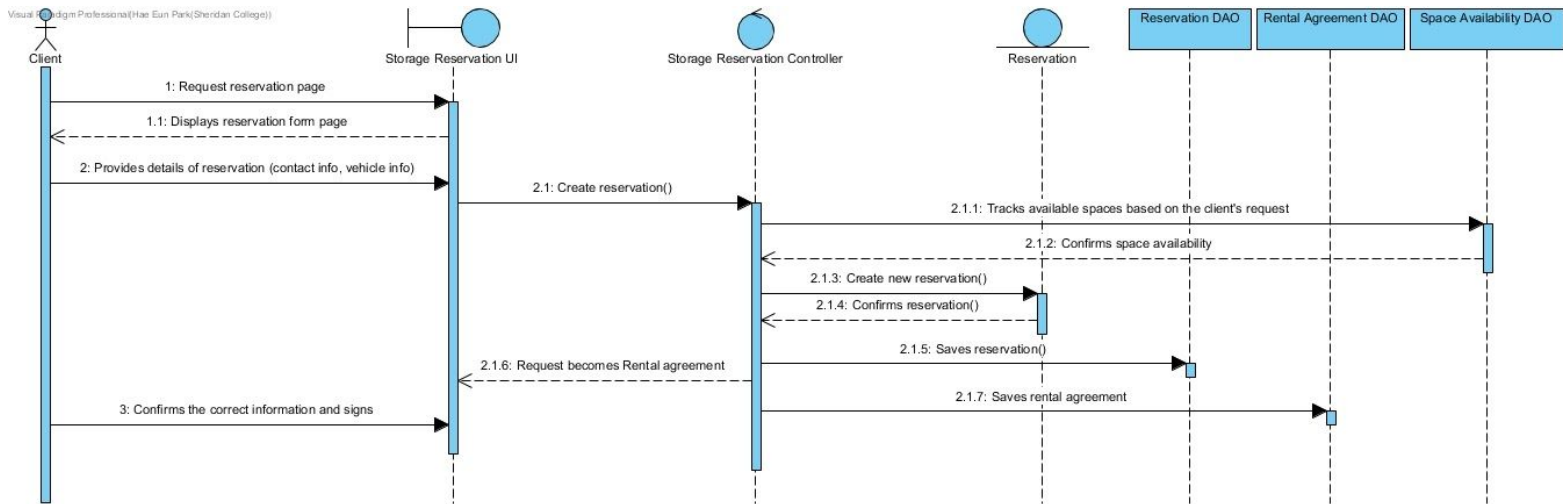
UI Navigation Structure



Design Model

- Use Case #1 (Reserve storage)

Sequence Diagram



Wireframes

Browser

Logo

Please Log in

Username

Password

Login

Cancel

Browser

Logo

Make Reservation Make Payment My Account Logout

Contact Information Vehicle Information Check Space Availability Confirmation Sign

First Name

Last Name

Date of Birth

July 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Contact Number

E-mail

Address

☐ I would like to get notification via E-mail

☒ I agree to terms & conditions

Next

Browser

Logo

Make Reservation Make Payment My Account Logout

Contact Information Vehicle Information Check Space Availability Confirmation Sign

Type of Vehicle

☒ Recreational Vehicle

☐ Boats & Trailers

☐ All-Terrain Vehicles

☐ Snowmobiles

☐ Camper Trailers

☐ Etc

Colour

VIN #

Approximate Value

Vehicle Size (m)

length width height

Make

Model

Year of Manufacture

2019

Upload Photo

Choose Files

Maximum Upload Size: 20 MB. Each File should be less than 20 MB.

☒ I agree to terms & conditions

Previous Page

Next

Make Reservation

Make Payment

My Account

Logout

Contact Information

Vehicle Information

Check Space Availability

Confirmation

Sign

Please choose a desired drop off date

July 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Please choose a desired pick up date

July 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Location Preference

☒ Indoor
 ☐ Outdoor

Please pick a desired space

Previous Page

Next

Make Reservation

Make Payment

My Account

Logout

Contact Information

Vehicle Information

Check Space Availability

Confirmation

Sign

Contact Information

Full Name	Date of Birth	E-mail	Contact Number	Address	Email Notification

Vehicle Information

Vehicle Type	Make	Model	Year	Colour	VIN #	Size

Confirmed Space

Drop off Date	Pick Up Date	Location	Space Number

☐ I confirm the information provided and would like to sign to finalize

Previous Page

Next

Make Reservation

Make Payment

My Account

Logout

Contact Information

Vehicle Information

Check Space Availability

Confirmation

Sign

Sign Pad

OR

Upload Image

Choose file

Previous Page

Sign

Storyboard

1

Please Log in

Username
Password

Login Cancel

2

Contact Information

First Name: Jane
Last Name: Smith
Date of Birth: July 1987
Contact Number: 000 1234567
E-mail: jsmith@email.com
Address: 1234 Dummy Street, Toronto, ON M7Y000

☒ I would like to get notification via E-mail
☒ I agree to terms & conditions

Next

3

Vehicle Information

Type of Vehicle: ☐ Recreational Vehicle, ☐ Boats & Trailers, ☒ All-Terrain Vehicles, ☐ Motorcycles, ☐ Motor Trailers, ☐ Etc.

Colour: Blue
VIN #: 1112223333
Approximate Value: \$1000
Vehicle Size (m): 5, 7, 10

Make: Toyota
Model: Nike
Year of Manufacture: 2017

Upload Photo: Choose File

☒ I agree to terms & conditions

Previous Page Next

4

Check Space Availability

Please choose a desired drop-off date: July 2020
Please choose a desired pick-up date: July 2020

Location Preference: ☐ Indoor, ☒ Outdoor

Please pick a desired space

Previous Page Next

5

Confirmation

Contact Information: Jane Smith, 07/07/1987, jsmith@email.com, 0001234567, 1234 Dummy St Canada, Yes

Vehicle Information: Snowmobile, Toyota, Nike, 2017, Blue, 1112223333, 6x2x1 m.

Confirmed Space: 8/13/2020, Indoor, Space Number: 3-402

☒ I confirm the information provided and would like to sign to finalize

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6

Sign Post

Jane Smith

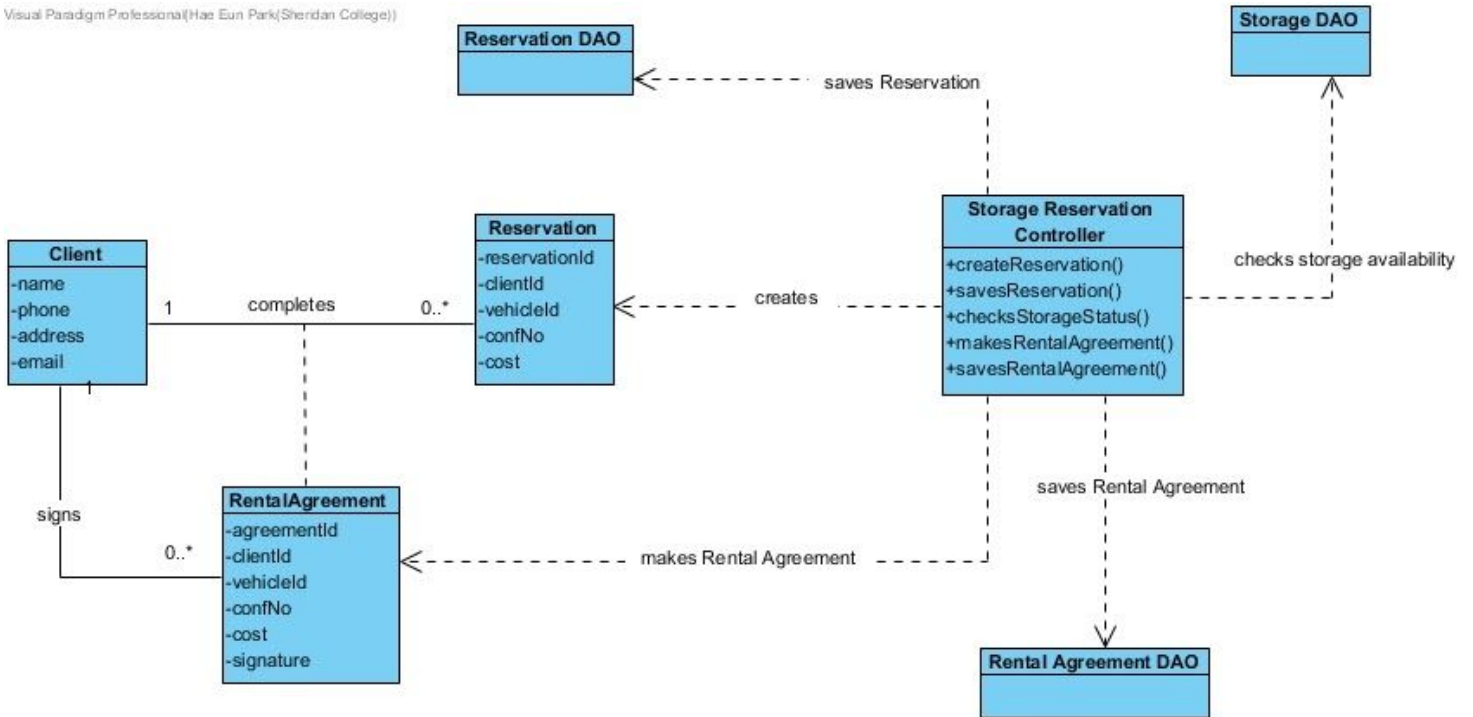
OR

Upload Image: Choose File

Previous Page Sign

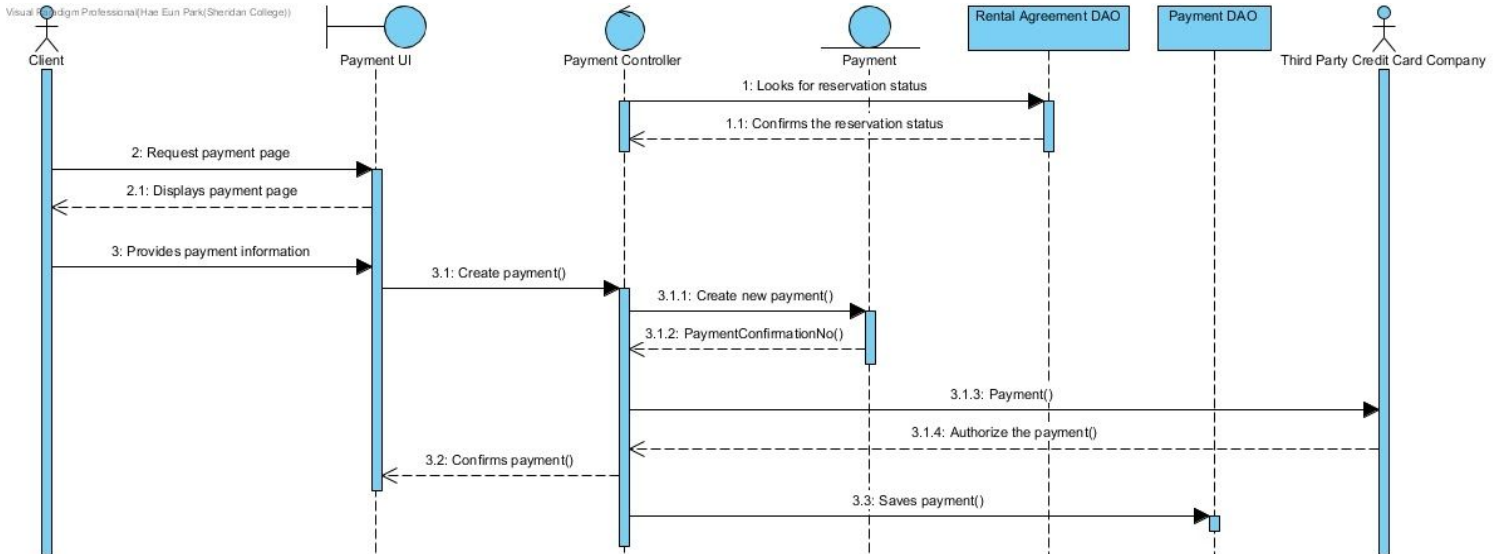
Design Class Diagram

Visual Paradigm Professional (Hae Eun Park (Sheridan College))



- Use Case #2 (Make payment)

Sequence Diagram



Wireframes

Browser

Logo

Make Reservation Make Payment My Account Logout

Reservation Status Payment Information Confirmation Transaction Status

Your Reservation has been APPROVED

Would you like to continue with payment?
You need to pay to finalize the Rental Agreement

Proceed the payment

Browser

Logo

Make Reservation Make Payment My Account Logout

Reservation Status Payment Information Confirmation Transaction Status

Card Holder Name Contact Number

Credit Card Number E-mail

Expiry Date MM/YY CVV# Address

Total Due (\$)

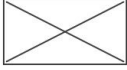
☒ I hereby authorize the amount stated above with the credit card

Next

Browser

← → ↻

✖



[Make Reservation](#) [Make Payment](#) [My Account](#) [Logout](#)

[Reservation Status](#) [Payment Information](#) [Confirmation](#) [Transaction Status](#)

Payment Information

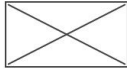
Card Holder Name	Credit Card #	Expiry Date	CVV	Contact Number	Address

[Previous Page](#) [Pay](#)

Browser

← → ↻

✖



[Make Reservation](#) [Make Payment](#) [My Account](#) [Logout](#)

[Reservation Status](#) [Payment Information](#) [Confirmation](#) [Transaction Status](#)

Thank you for your payment

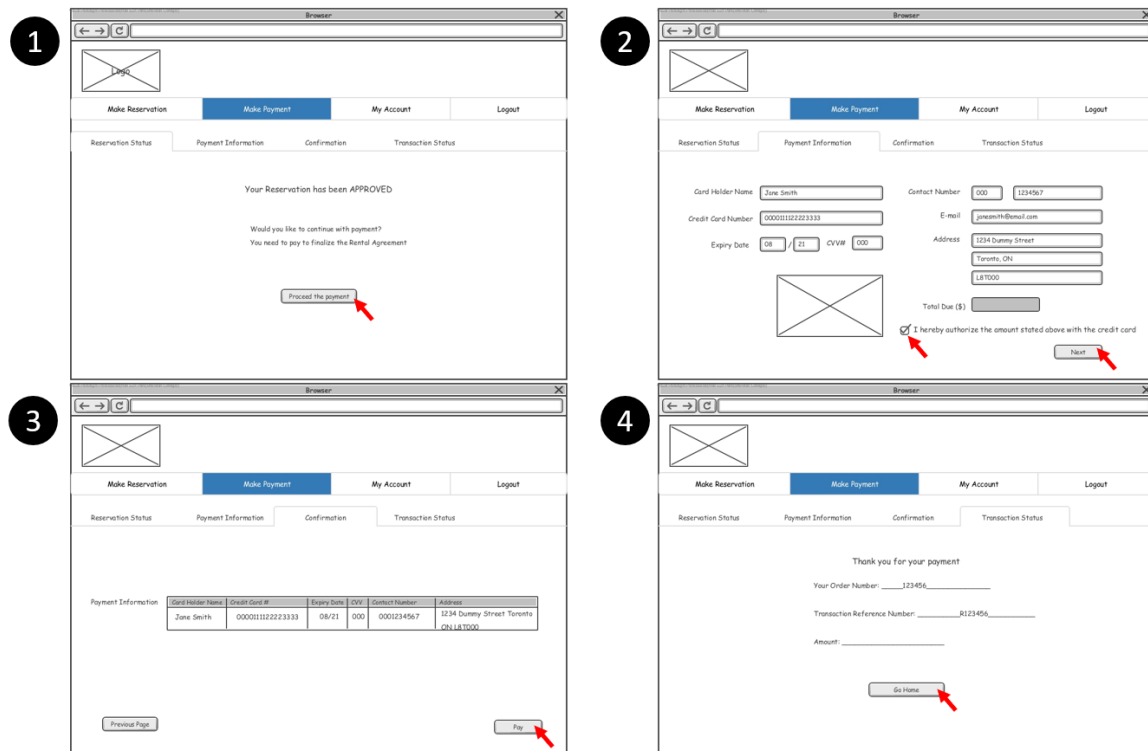
Your Order Number: _____

Transaction Reference Number: _____

Amount: _____

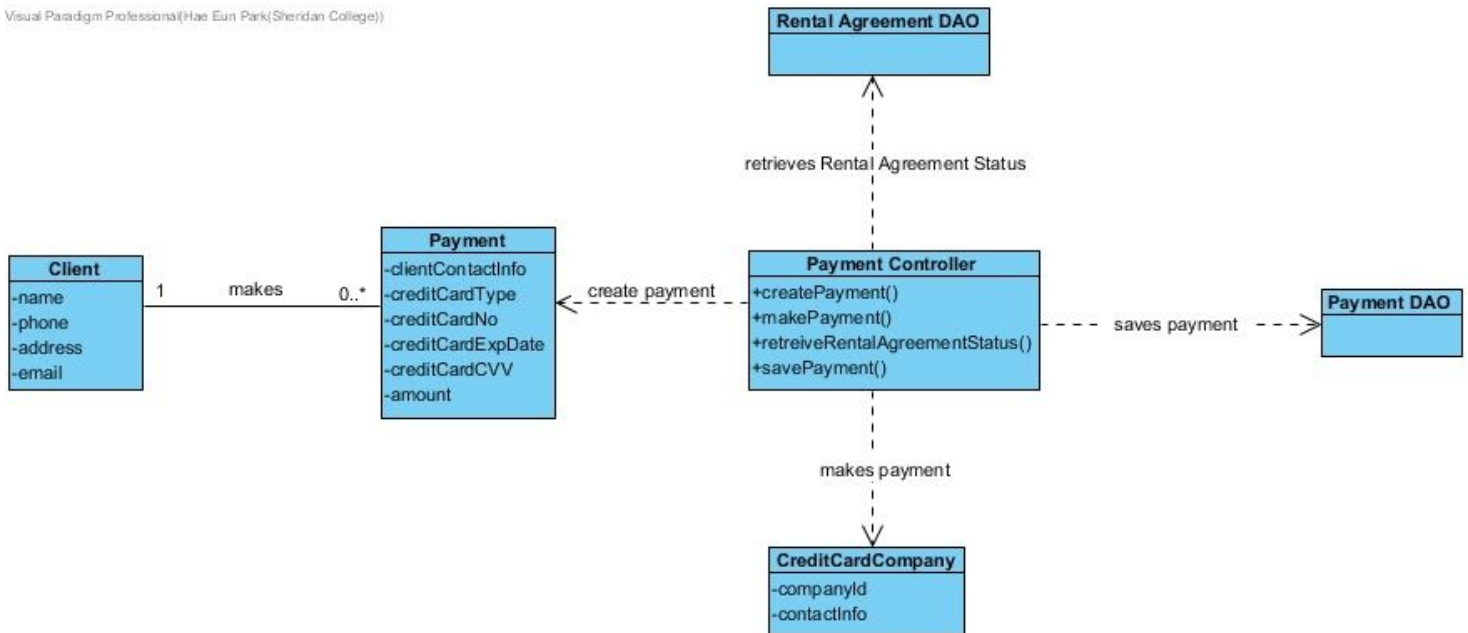
[Go Home](#)

Storyboard



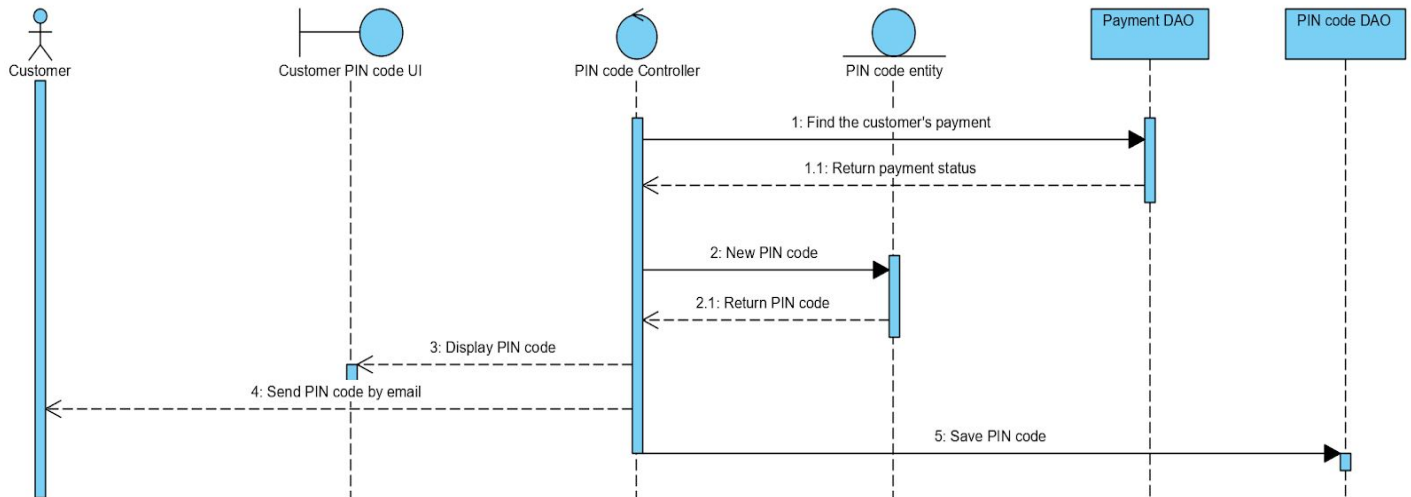
Design class diagram

Visual Paradigm Professional(Hae Eun Park(Sheridan College))

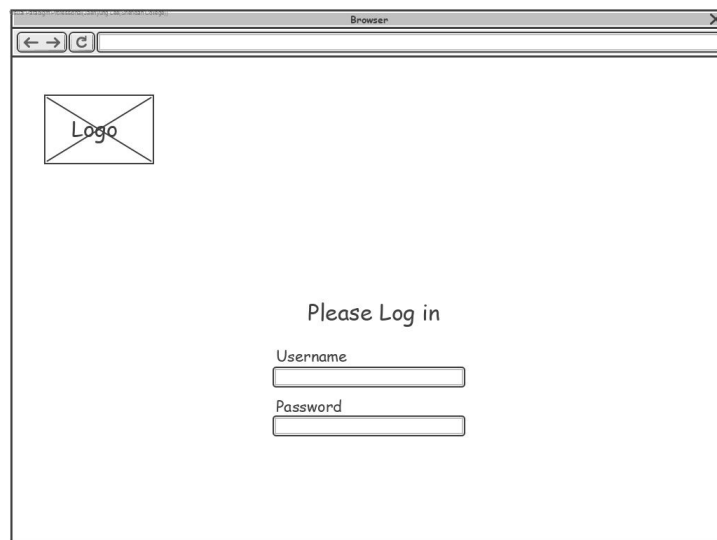


- Use Case #3 (Assign a PIN code)

Sequence Diagram



Wireframes



Browser

Logo

Sign Out

Your Profile Reservations Rental Agreements **PIN** Settings

Rental Agreement R20293875

Payment Status YES

Storage 7X24X365

PIN code 6097

Activated July 20, 2020 15:25:06

Storyboard

1

Browser

Logo

Please Log in

Username

Password

2

Browser

Logo

Sign Out

Your Profile Reservations Rental Agreements **PIN** Settings

Rental Agreement R20293875

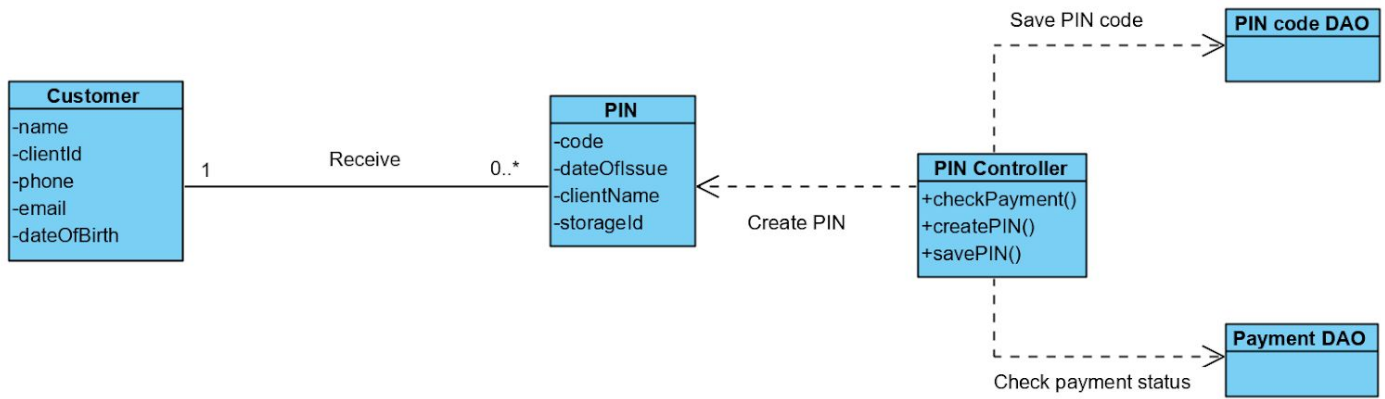
Payment Status YES

Storage 7X24X365

PIN code 6097

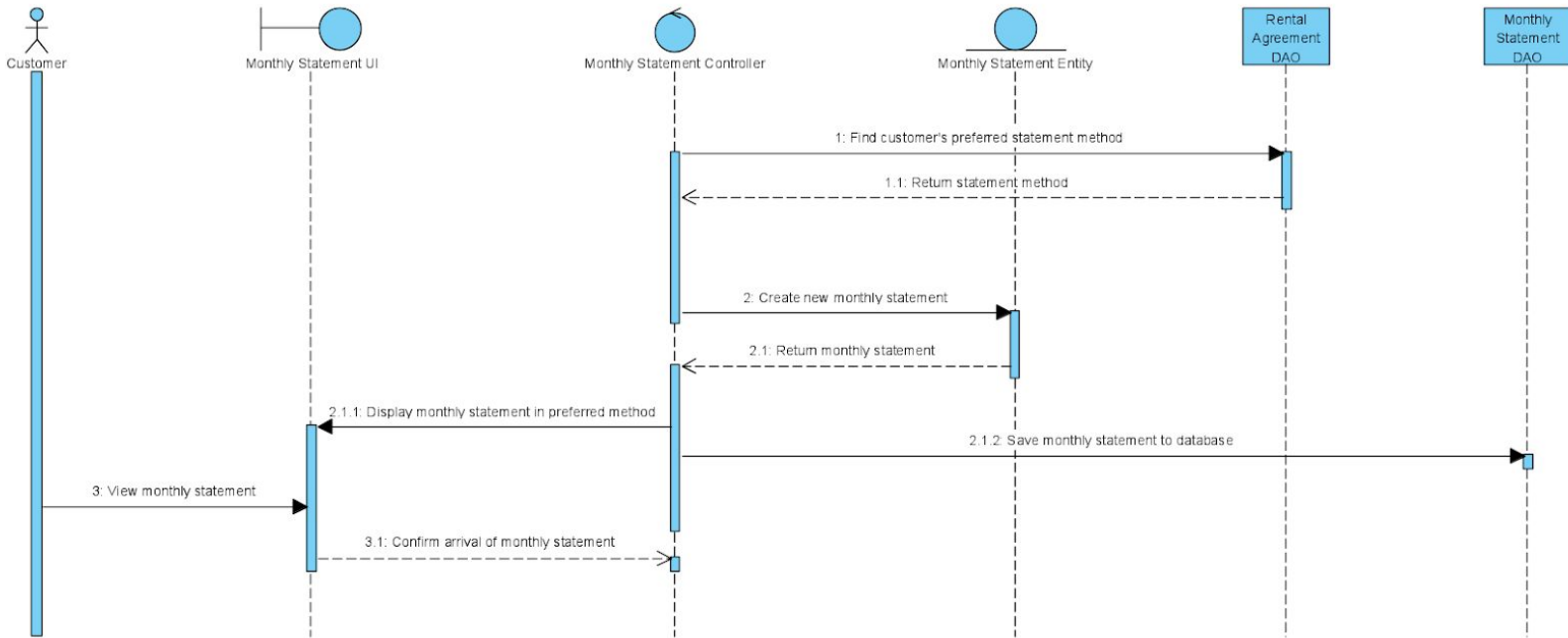
Activated July 20, 2020 15:25:06

Design Class Diagram



- Use Case #4 (Provide monthly statements)

Sequence Diagram

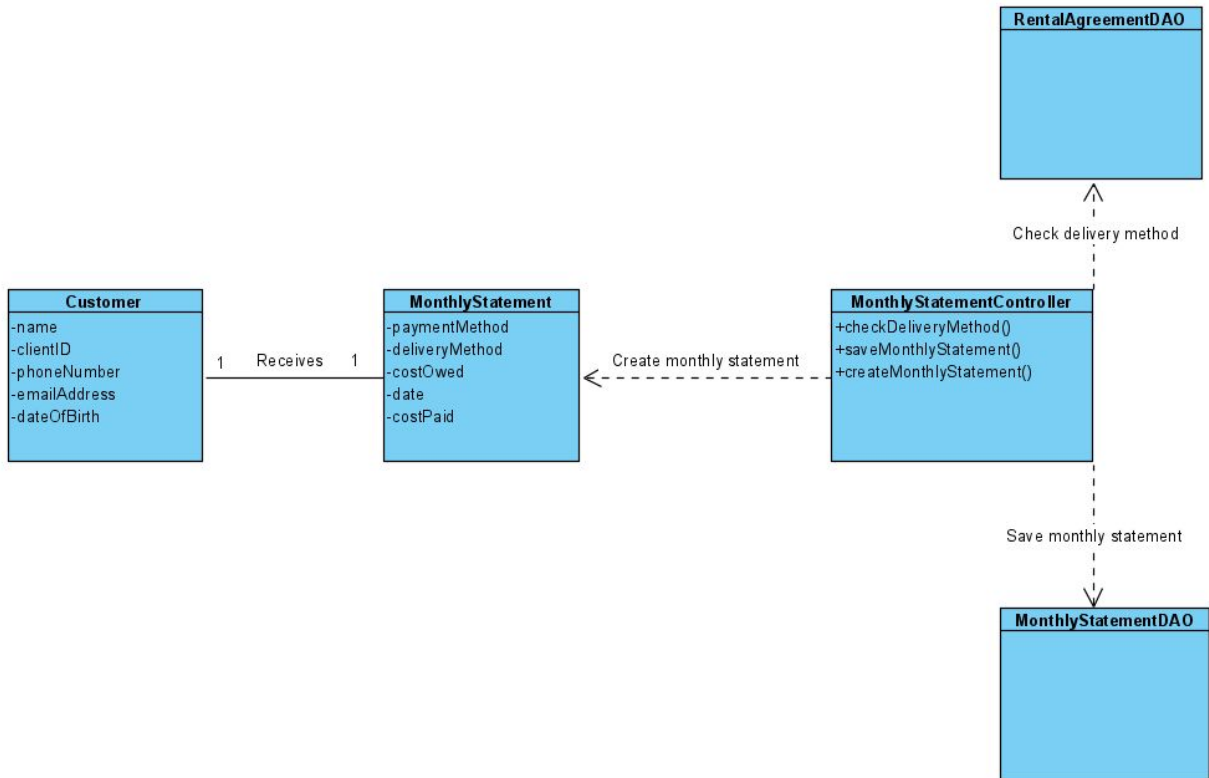


Wireframes

A wireframe of a login page displayed in a browser window. The browser's address bar is empty. In the top-left corner, there is a placeholder for a logo, represented by a rectangle with an 'X' and the word 'Logo'. Centered on the page is the text 'Please Log in'. Below this text are two input fields: the first is labeled 'Username' and the second is labeled 'Password'.

A wireframe of a user account page displayed in a browser window. The browser's address bar is empty. In the top-left corner, there is a placeholder for a logo, represented by a rectangle with an 'X' and the word 'Logo'. Below the logo is a horizontal navigation bar with four links: 'Make Reservation', 'Monthly Statements' (which is highlighted with a blue background), 'My Account', and 'Logout'. Below this navigation bar is a sub-navigation bar with four links: 'Monthly Statement' (which is highlighted with a light gray background), 'Past Statements', 'Payment Information', and 'Delivery Methods'. The main content area is divided into two columns. The left column contains the text: 'Statement #718025', '2020-07', 'Delivery Method: E-mail', and 'Status: Received by Recipient'. The right column contains a box with the text: 'Copy of Monthly Statement:', 'Statement #718025', '2020-07', 'Cost: \$100.56', 'Charged: VISA Credit Card', 'Make/Model: Toyota Camry', and 'Next Statement: 2020-06'.

Design Class Diagram



Prototypes of reports

- **Revenue**

Description: This revenue report allows the owners to keep track of the growth in their business effectively. It enables them to have better insight in running their business in the future, making it possible for them to make better decisions to continue to expand their business.

Report

Revenue Reservation Storage Availability

2019 ▼

Revenue (\$Millions)

MONTH	PAYMENTS	REFUNDS	TOTAL
July 2019	\$313.68	\$0.00	\$313.68
August 2019	\$145.30	\$0.00	\$145.30
October 2019	\$46,147.67	\$0.00	\$46,147.67
November 2019	\$320.69	\$0.00	\$320.69
January 2020	\$108.73	\$0.00	\$108.73
May 2020	\$668.45	\$0.00	\$668.45
June 2020	\$313.68	\$0.00	\$313.68
July 2019	\$54.62	\$0.00	\$54.62

- Reservation

Description: This reservation report allows the owner to view the list of reservations of storage spaces within the set range of dates. This report displays the reservation number, client number, vehicle type, vehicle identification number, location of the storage, space number, and the reservation date range.

Browser

Report

Revenue Reservation Storage Availability

Date From: 01/28/2020

Until: 05/28/2020

Reserv. No.	Client No.	Vehicle Type	VIN#	Location	Space No.	Valid From	Valid Until
R00001	C13829	RV	382947528	Indoor	I-A02	11/10/2019	06/10/2020
R00392	C38293	Snowmobile	384729484	Indoor	I-B32	03/30/2020	11/30/2020
R00400	C39284	Boat & Trailer	556838238	Outdoor	O-C22	10/31/2019	05/31/2020
R00407	C82129	RV	129384924	Indoor	I-A13	10/01/2019	06/01/2020
R00573	C02394	Boat & Trailer	938485029	Outdoor	O-C52	10/31/2019	05/31/2020
R00602	C00028	Camptrailer	875839894	Indoor	I-B62	11/30/2019	04/30/2020
R00632	C22739	ATVs	473745839	Outdoor	O-D01	01/31/2020	05/31/2020
R00661	C02983	Camptrailer	483747392	Indoor	I-B05	11/05/2019	05/05/2020

- **Space availability**

Description: This space availability report allows the owners to view which spaces are currently available for reservation. This report displays the location of the space, space number, date it was last reserved, as well as its current availability status. This ensures that owners have the most up-to-date information about the availability of the reservation spaces.

Browser

Reservation Report

Revenue Reservation **Storage Availability**

Print

Save

Save as..

Refresh: ☐

Location	Space No.	Last Reserved	Availability
Indoor	I-A81	07/25/20	NO
Indoor	I-B12	07/26/20	NO
Indoor	I-I15	05/01/20	YES
Indoor	I-O57	06/05/20	YES
Indoor	I-Z84	07/07/20	NO
Outdoor	O-F72	05/19/20	YES
Outdoor	O-U81	6/28/20	NO
Outdoor	O-T43	6/29/20	NO

Next