Study Space Booking System

Designing Alternatives
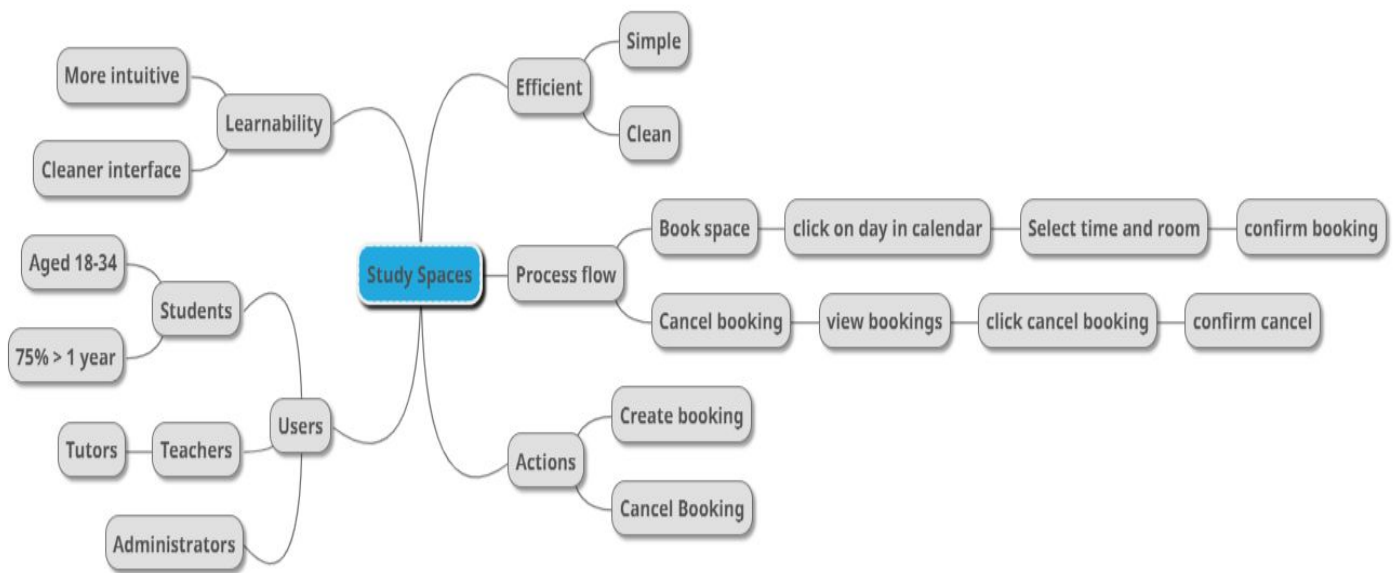
Kyle Bingham, Daniel Claggett, Daniel Papanek, Christian Slater

Okanagan College

Table of Contents
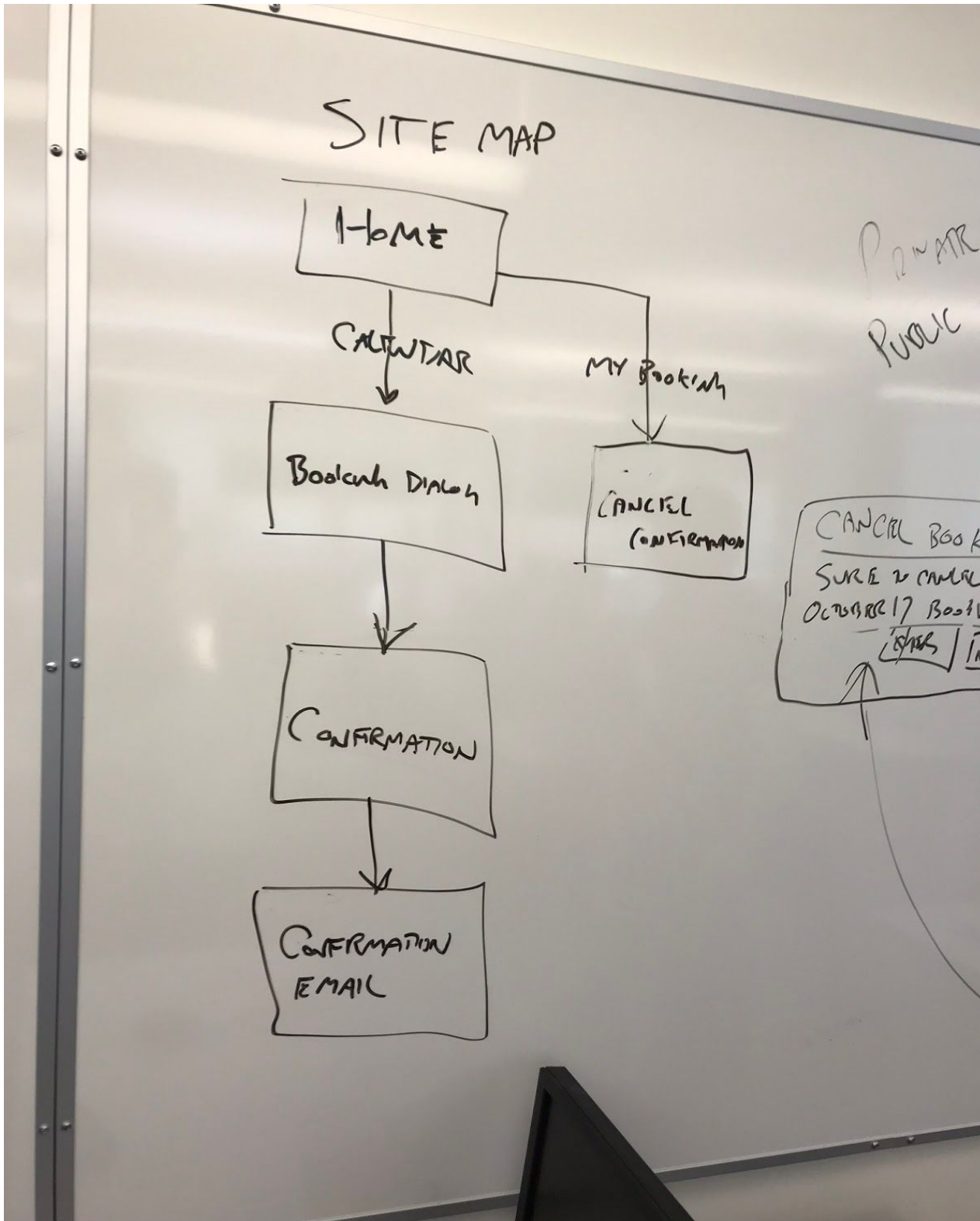
Content

Study Spaces

- Learnability
  - More intuitive
  - Cleaner interface
- Efficient
  - Simple
  - Clean
- Process flow
  - Book space — click on day in calendar — Select time and room — confirm booking
  - Cancel booking — view bookings — click cancel booking — confirm cancel
- Users
  - Students
    - Aged 18-34
    - 75% > 1 year
  - Teachers
    - Tutors
  - Administrators
- Actions
  - Create booking
  - Cancel Booking

Structure

Site Map

Navigation

Study Space booking only relies on the user choosing three things; Date, Time, and Room then displaying the users booked rooms. We have designed our application to complete this task on a single page while keeping the system as simple for the user as possible. We have chosen to forgo navigating multiple pages to simplify the process of booking a study space. Streamlining and simplifying the application solves one of the main complaints from our survey results and interviews.

Design

Rapid Sketching

HOME

INSTRUCTIONS (SIMPLE!)
1. CLICK DAY
2. SELECT TIME
3. BOOK! :)
CALENDAR   [BOOKINGS]

1.

                                    31

HUME

INSTRUCTIONS
1. CLICK DAY
2. SELECT TIME
3. BOOK! :)

CALENDAR

Bookings	
~~	X
~~	X
~~	X

1.				
				31

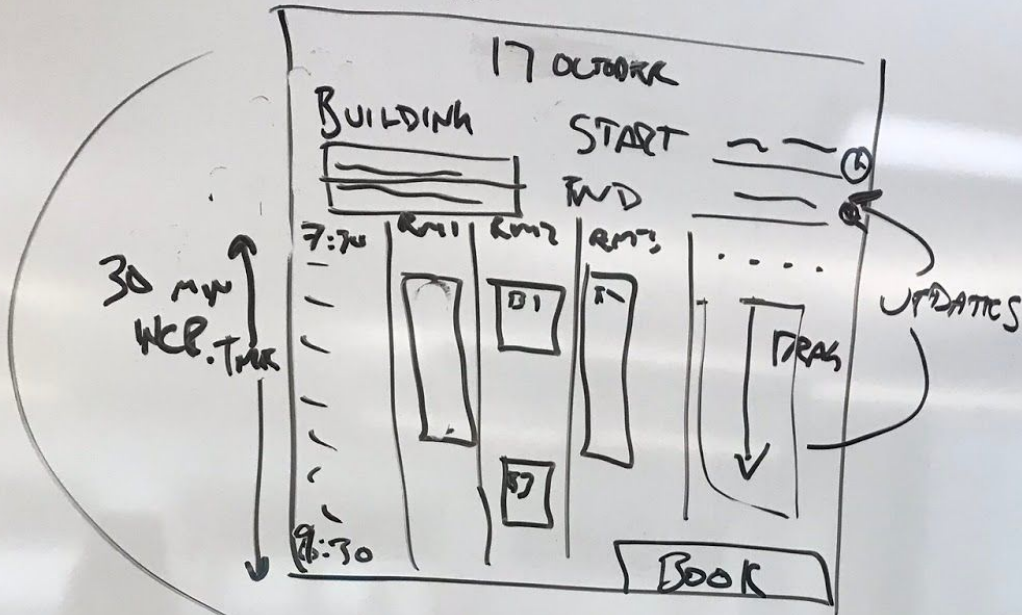# HOME

INSTRUCTIONS:
1. CLICK DAY
2. SELECT TIME
3. BOOK! :)

CALENDAR

MY BOOKINGS
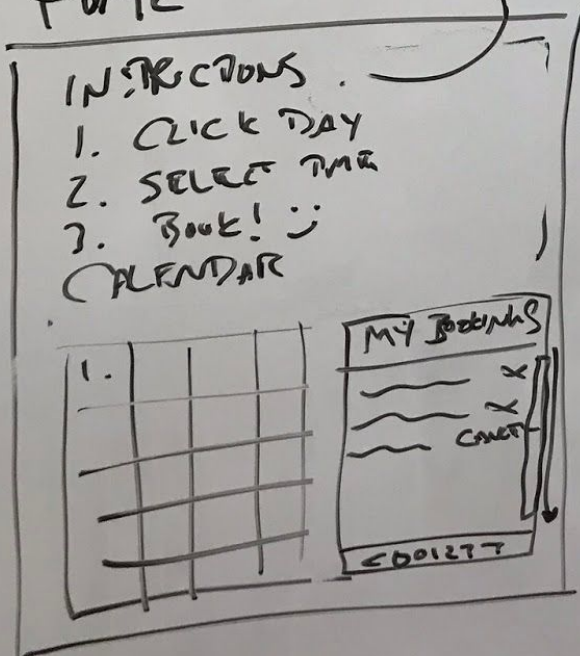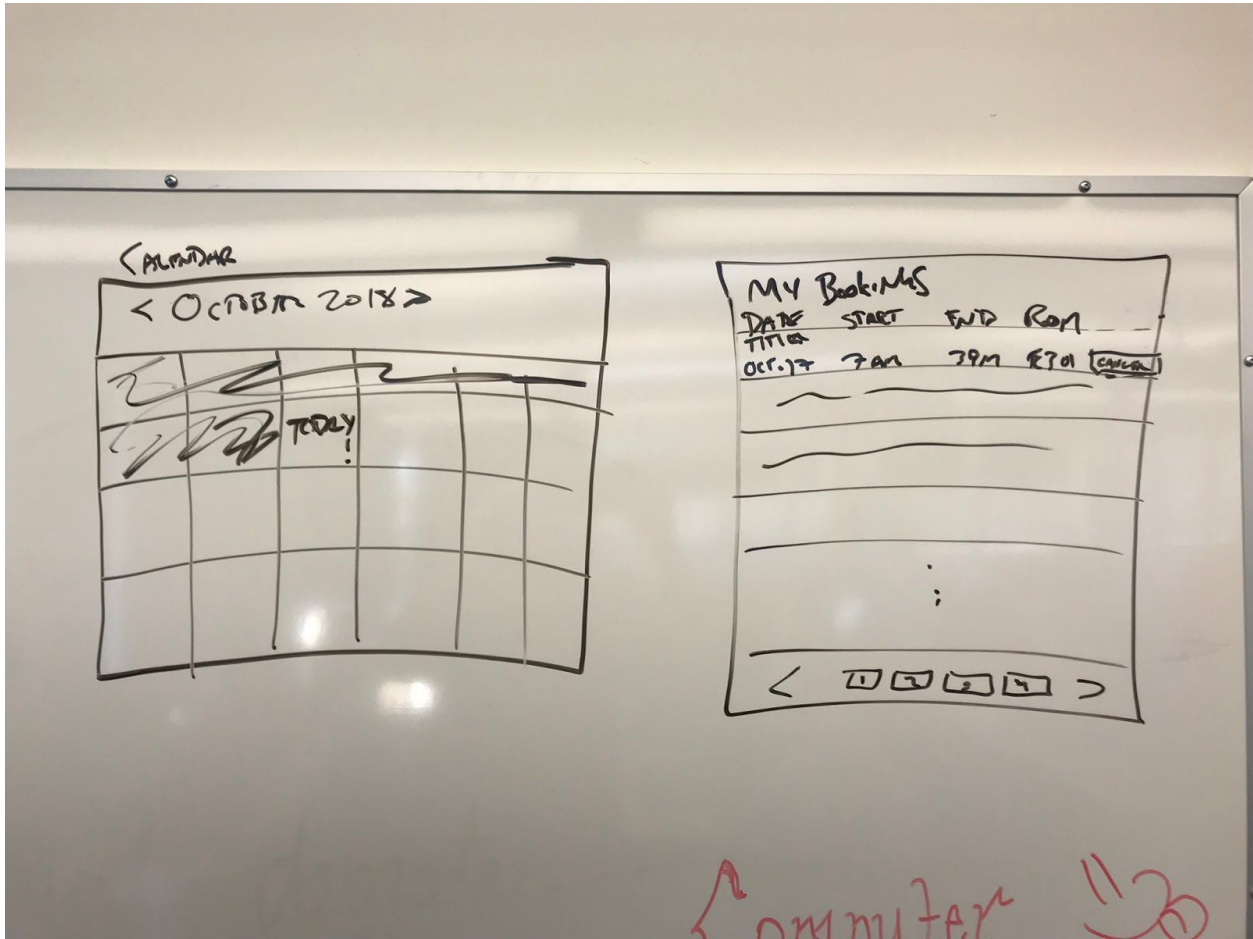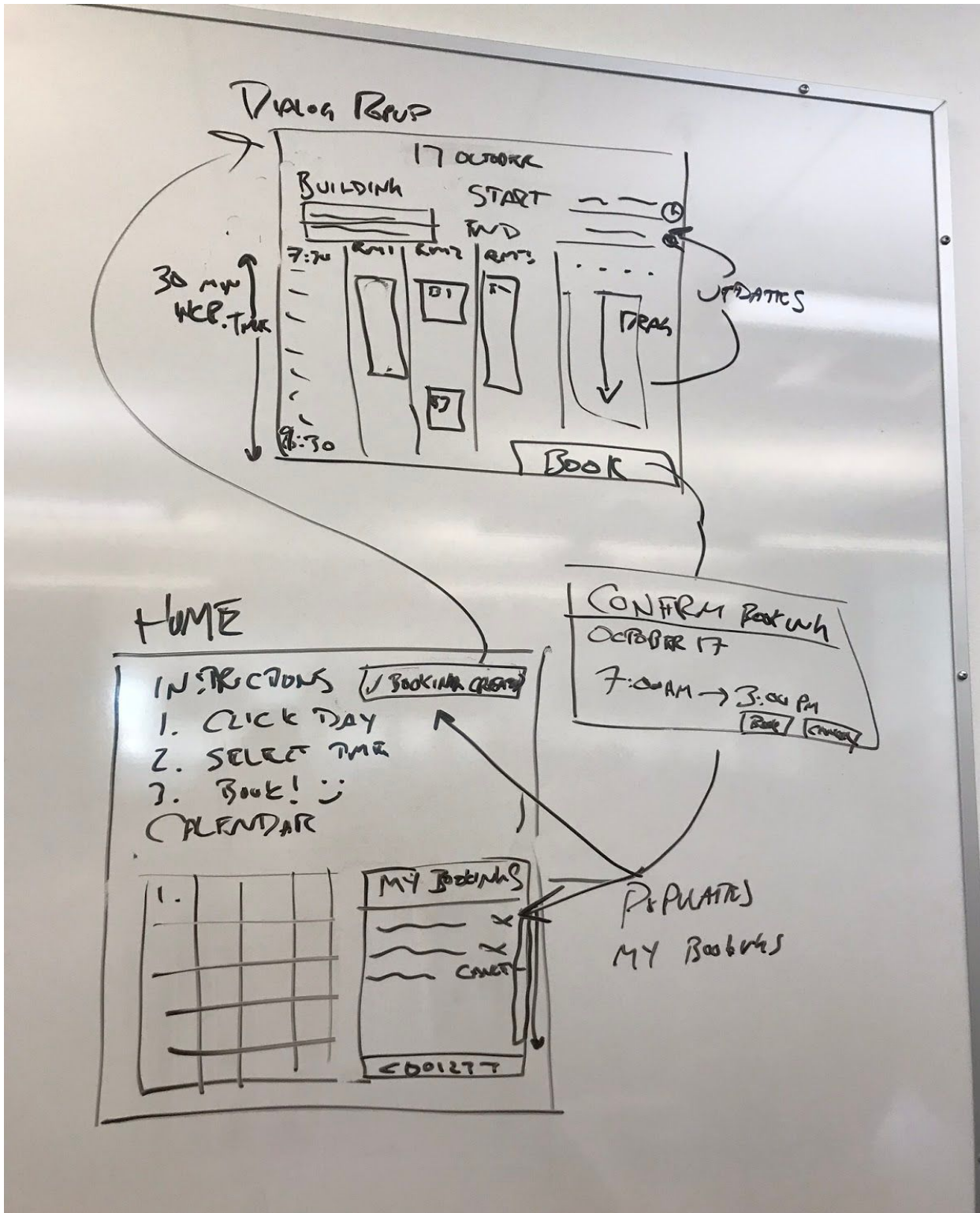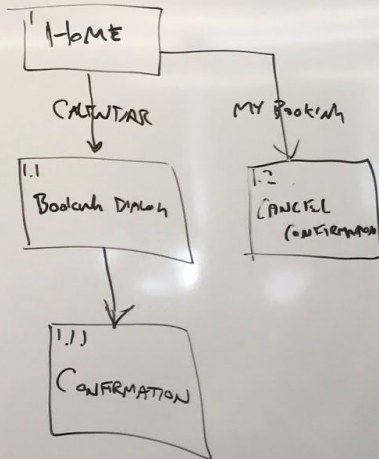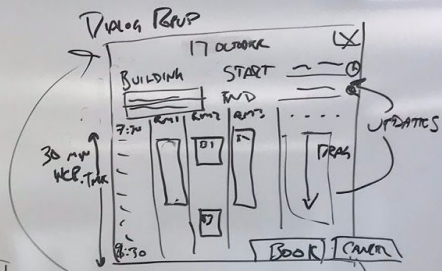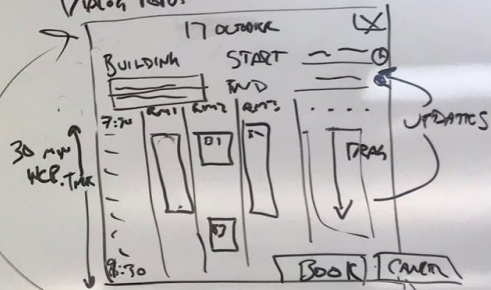
~~~~~~~~ X X
~~~~~~~~ X X
~~~~~~~~ CANCEL

CD01277

Dialog Popup

17 OCTOBER

BUILDING

START
END

UPDATES

30 min WCP. TMR

7:30
RM1 RM2 RM3
B1
B2
DRAG
B3

8:30

BOOK

HOME

INSTRUCTIONS:
1. CLICK DAY
2. SELECT TIME
3. BOOK! :)

CALENDAR

1.

MY BOOKINGS
CANCEL

CD01277

Component Design

Page Design

SITE MAP

HOME

CALENDAR

MY BOOKING

1.1 Booking Dialog

1.2 CANCEL Confirmation

1.1.1 Confirmation

DIALOG POPUP

17 OCTOBER

BUILDING

START
END

7:30 RM1 RM2 RM3

30 min HELP.TIME

DRAG

UPDATES

8:30

BOOK   CANCEL

CANCEL BOOKING

SURE 2 CANCEL
OCTOBER 17 BOOKING?

YES   NO

CONFIRM BOOKING
OCTOBER 17

7:00AM → 3:00 PM

BOOK   CANCEL

HOME

INSTRUCTIONS   ✓ BOOKING CREATED

1. CLICK DAY
2. SELECT RM
3. BOOK! :)

CALENDAR

1.

MY BOOKINGS

CANCEL

CD01277

POPULATES
MY BOOKINGS

MAP

PRIMARY SUBJECT
PUBLIC

MY BOOKING

CANCEL
(Confirmation)

Dialog Popup

17 OCTOBER   ✕

BUILDING   START
             END
7:30 RM1 RM2 RM3
          01

30 MIN
WLK. TIME

9:30   BOOK   CANCEL

UPDATES

TRASH

CANCEL BOOKING
SURE 2 CANCEL
OCTOBER 17 BOOKING?
[YES] [NO]

CONFIRM BOOKING
OCTOBER 17
7:00 AM → 3:00 PM
[BOOK] [CANCEL]

HOME
INSTRUCTIONS [✓ BOOKING CREATED]
1. CLICK DAY
2. SELECT TIME
3. BOOK! :)
CALENDAR

1.   O

MY BOOKINGS

CANCEL

< OCT 17 >

POPULATES
MY BOOKINGS

Wireframes

Alternative 1

Study Spaces

https://studyspace.ca

Welcome

To book a study space click on a day in the calendar!

My Spaces

October 28th	7:00am	9:ooam	E301	Cancel
October 31th	11:00pm	12:ooam	C201	Cancel
November 30th	6:30am	8:3oam	E308	Cancel

Book A Study Space   Or select a day below

OCTOBER 2018

S	M	T	W	T	F	S
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	9	10

https://studyspace.ca

Study Spaces

My Spaces

Where the magic happens!

Book Your Space   Or select a day below

OCTOBER 2018						
S	M	T	W	T	F	S
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	9	10

My Spaces

October 28th	7:00am	9:00am	E301	Cancel
October 31th	11:00pm	12:00am	C201	Cancel
November 30th	6:30am	8:30am	E308	Cancel

← → ✗ ⌂ https://studyspace.ca 🔍

Study Spaces
My Spaces

Where the magic happens!

Book Your Space   Or select a day below ⌐

◄		OCTOBER 2018				►
S	M	T	W	T	F	S
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	9	10

My Spaces

October 28th	7:00am	9:ooam	E301	Cancel
October 31th	11:00pm	12:ooam	C201	Cancel
November 30th	6:30am	8:3oam	E308	Cancel

October 24th

Location   **Room**   E302   Book   Cancel

Kelowna | Penticton | Vernon   **Start Time** 9:00am

Learning (E) | Laboratory (C)   **End Time**   11:00am   ← October 24th → Today

	E301	E302	E303	C101	E309	C122	C128
08:00							
09:00							
10:00							
11:00							
12:00							
13:00							
14:00							
15:00							
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							

Confirm Booking

Date

October 14th, 2018

Room   **Start Time**   **End Time**

E302   9:00am   11:00am

[Confirm]   [Cancel]

Confirm Cancellation

Date

October 14th, 2018

Room   **Start Time**   **End Time**

E302   9:00am   11:00am

[Confirm]   [Cancel]

Alternative 2

Instructions:

1.) Click the day in which you would like to book a room

2.) Select the time in wish you would like that room

3.) Book the room!

Create Booking

◄			OCTOBER 2018			►
S	M	T	W	T	F	S
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	9	10

My Bookings   ...

October 17, 2018
    Room E310
    12:00 - 14:00

October 22, 2018
    Room E401
    08:00 - 10:00

October 24, 2018
    Room E412
    14:00 - 16:00

Show More

Alternative 3

Instructions

1. Pick a date on the calendar.
2. Select the timeframe you would like to book the room.
3. Book the room.

My Bookings	
October	Collapse
14th 12:00pm - 2:00pm R401	Remove
23th 4:00pm - 6:00pm R401	Remove
20th 8:00am - 12:00pm L305	Remove
November	+ Expand
December	+ Expand

October

S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

Alternative 4

Study Spaces

Book a Study Space :
1. Click Day of Month
2. Select Available time
3. Click Book Now!

My Bookings :
1) Jan 18th - Room e304 - 8:00am to 11:00am   [Cancel]

2) More Bookings ...

Currently Selected :

Date: January 10th

Room: Room e302

Time: 10:00am - 11:00am

[Book Now]

January 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	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			

Calendar Template © calendarlabs.com

Wednseday January 10th

Time	e301	e302	e303	e304
9:00			✕	
10:00	✕	◆		
11:00				
12:00		✕		
1:00				

- My bookings, Room bookings, and Currently Selected are all dynamically updated so all the information needed is always displayed on a single page with no need for pop ups or navigation

User Journey Map

This User Journey Map is based off of Billy Bob's attempt at booking a student meeting room at Okanagan College using the old layout.

Positive Experience

Negative Experience

Billy navigates to the website

Billy reads the instructions on how to book a room

Billy rereads the instructions and successfully books a room

Billy wants to book a room

Billy is overwhelmed by the interface

Billy realizes he doesn't fully understand the instructions

This User Journey Map is based off of Billy Bob's attempt at booking a student meeting room at Okanagan College using the new and improved layout.

Positive Experience

Negative Experience

Billy navigates to
the website

Billy successfully
books a student
meeting room

Billy chooses a room,
date, and time that
suits his needs

Billy reads the
instructions on how to
book a room

Billy wants to
book a room

Billy is unfamiliar
with the new
interface