



home screen. click on the
blue car icon to enter the
parking X app

zhang
Chen

User Experience



login/ sign up screen
user enter username and password
to log in
alternative: click on sign up to go to
the sign up page
--alternative: click on "i forgot my
password" to go to the "forgot my
password page"



Forgot password page

--user enter email address , then click on " send me reset instructions" to get instructions

User Experience



User Experience

Sign Up (1/2)

Personal Information

*First Name:

*Last Name:

Phone:

*Email:

*Choose a Password:

*Verify Password:

*Vehicle Number:

NEXT

user sign up page
-- fill in information and click on
"next" to proceed to next part
of sign up

Sign Up (2/2)

Banking Information

*Card Type:
Visa

*Card Number:

*CardHolder Name:
First name + Last name

*Expiration Date:
October 2020

*CVV Number: ?

SKIP COMPLETE

user sign up page
-user fill in payment
information and click on
"complete" to complete the
sign up
-alternative: user click on "
skip" to skip the entier
section

ABC 12:00 AM

Edit Account Info

Personal Information

*First Name:

*Last Name:

Phone:

*Email:

*Choose a Password:

*Verify Password:

*Vehicle Number:

NEXT

Edit Account information page, users can edit their personal information by typing in new information, click on "next" button to proceed.

ABC 12:00 AM

Edit Payment Info

Banking Information

*Card Type:

Visa

*Card Number:

xxxx-xxxx-xxxx-1234

*CardHolder Name:

John Doe

*Expiration Date:

October 2020

*CVV Number: ?

COMPLETE

Edit payment information page
-- users can edit their banking
information by typing in new
information, click on "complete"
button to save information and go
back to home page.

Ziyan
Chen

User Experience

ABC 12:00 AM

← Sign Up (1/2)

Personal Information

*First Name:

*Last Name:

Phone:

*Email:

*Choose a Password:

*Verify Password:

*Vehicle Number:

NEXT

alternative: error use case
when user clicks on "next" button when there is missing
required information (e.g. email)

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User Experience

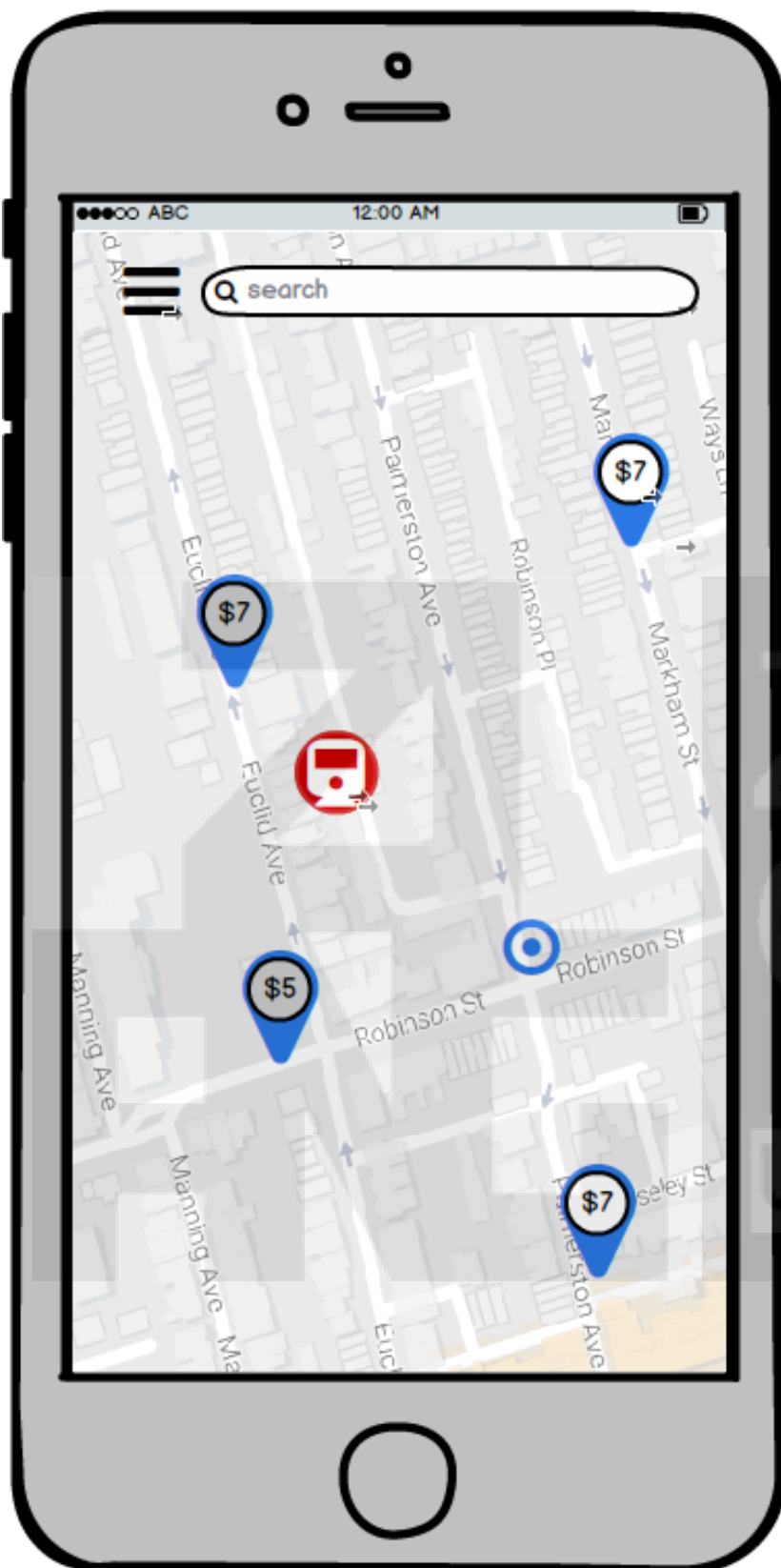
The image shows a smartphone screen with a 'Sign Up' form. The status bar at the top shows 'ABC' and '12:00 AM'. The form is titled 'Sign Up (1/2)' and includes a back arrow. The sections are as follows:

- Personal Information**
 - *First Name:
 - *Last Name:
 - Phone:
 - *Email: (with red error text: 'fill in the required information')
 - *Choose a Password:
 - *Verify Password:
 - *Vehicle Number:
- NEXT** button

alternative: error use case
when theres a missing information, the
system indicate where the error occurs
and suggests how users can fix the
error in red

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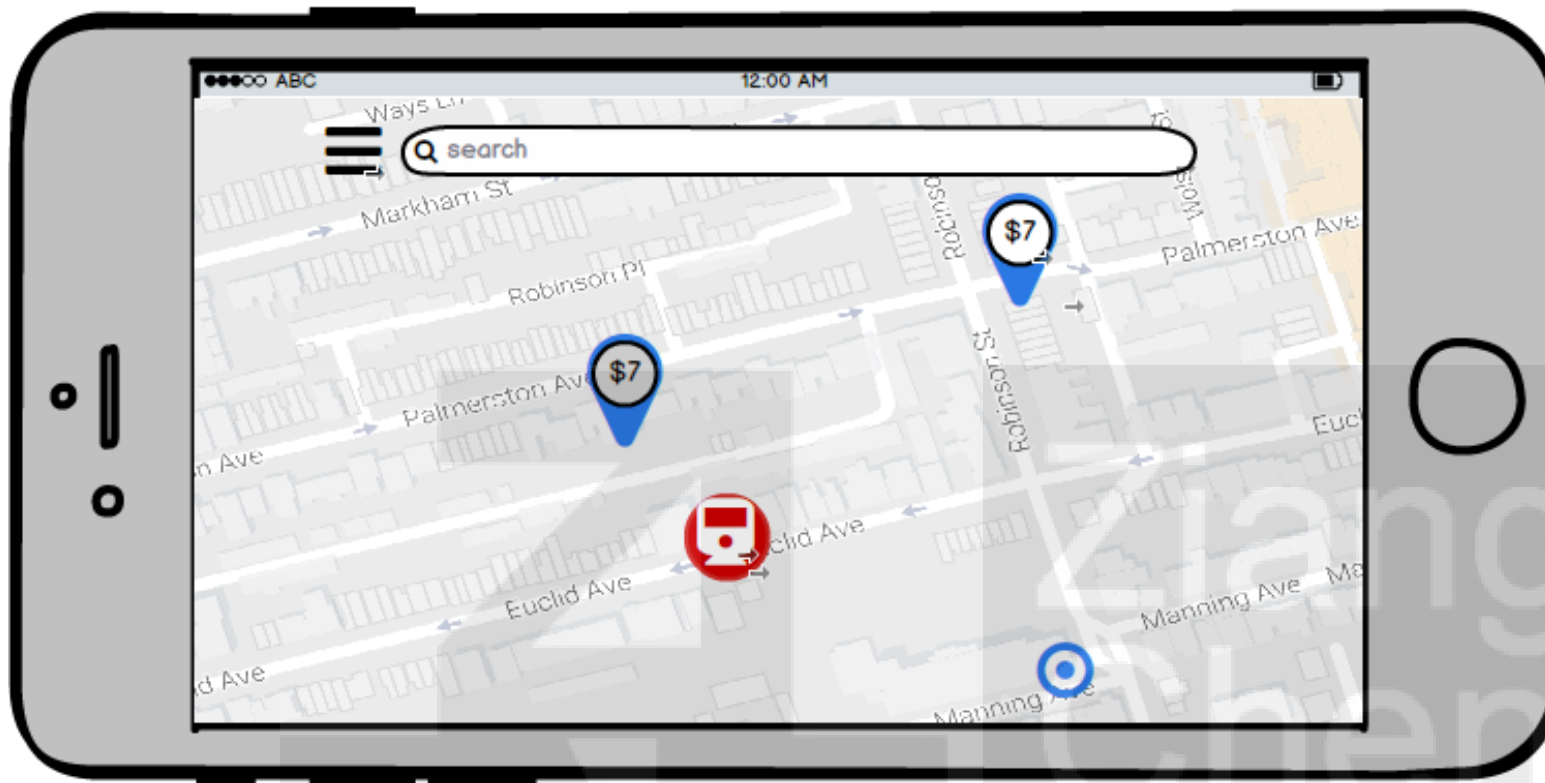
User Experience



Home page (map)

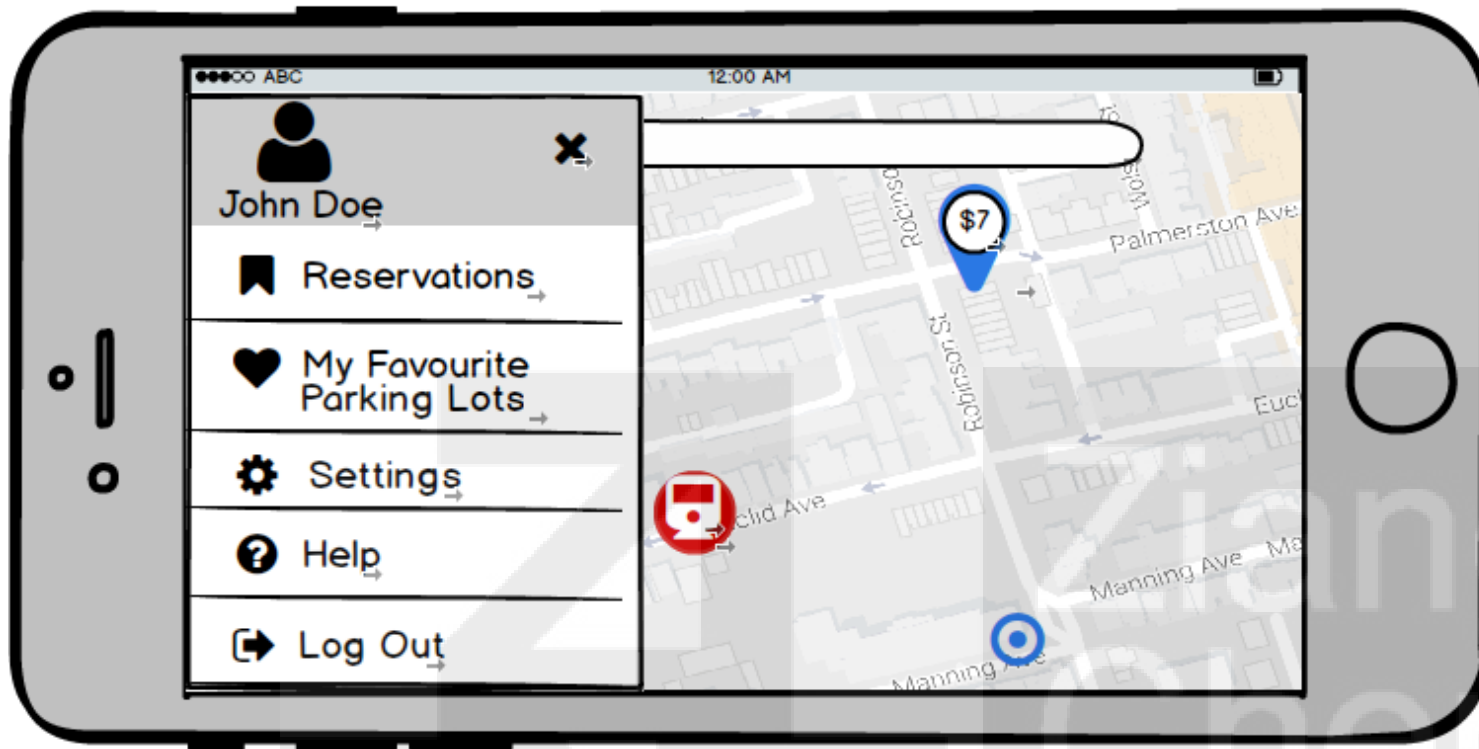
- before users search for specific location, the home map automatically displays a map based on users' current location.
- pin icon with price indicates parking lots and their hourly rate
- pin icons greyed out indicate no availability
- train icon indicates subway station
- blue circle icon indicate the location of the user

User Experience



Responsive design:
landscape view of home
map page
-user clicks on the
hamburger menu icon to
open the menu

User Experience



Responsive design: landscape
view of home page
with the menu bar open

User Experience

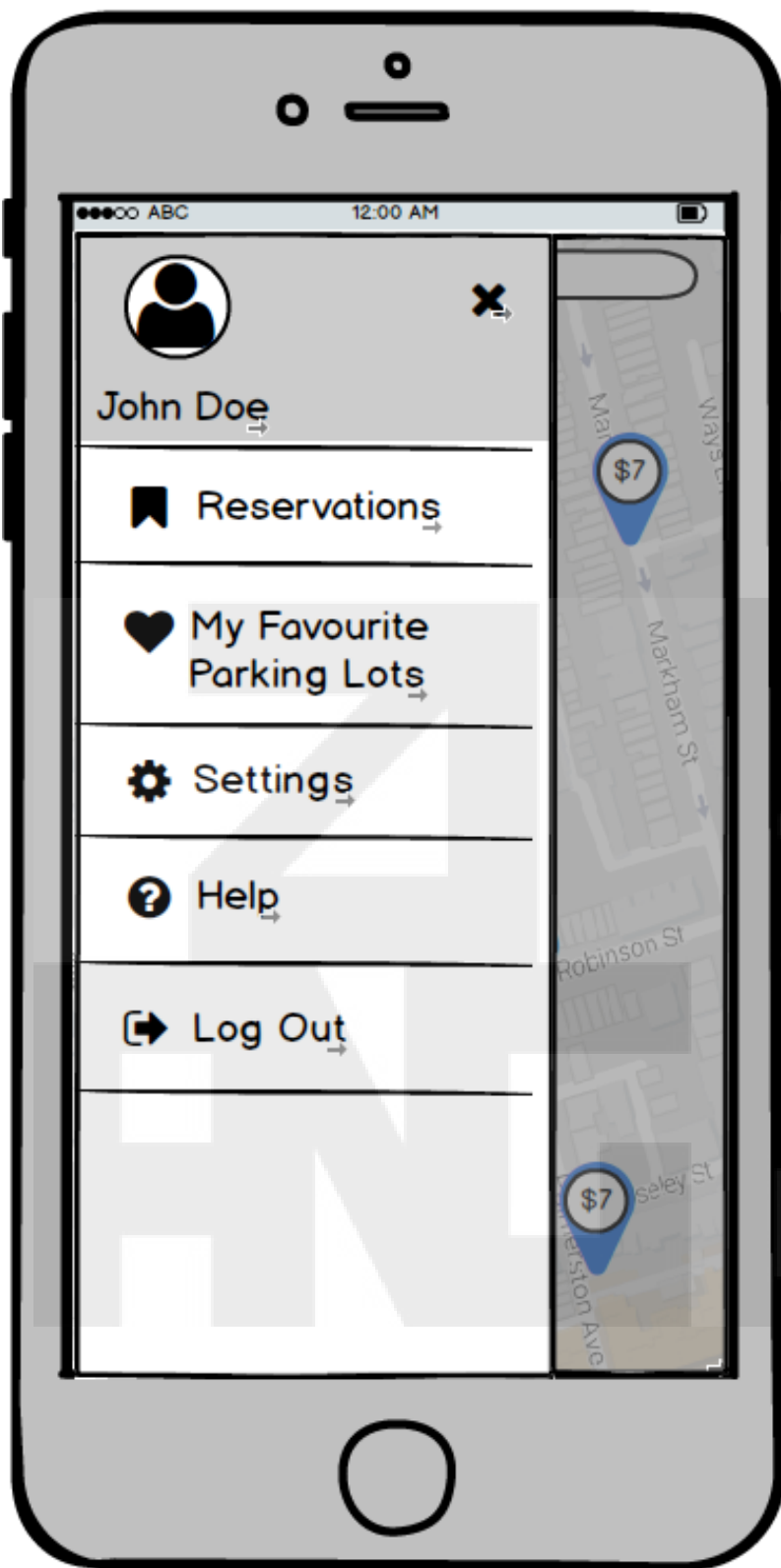


Search Bar

when user starts typing something in the search bar, a drop down list will appear with location suggestions based on the user's past searches

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Chen

User Experience



Home page with menu sidebar

- "Reservations", "My Favourite Parking Lots", "Settings", "Help", "Log Out", "Options"
- if user clicks on "John Doe", it will lead to the edit account information page
- click outside the menu to exit the menu

Zhang
Chen

User Experience



Home page when user clicks on a parking lot
a pop up with "Navigate" and "Reserve" options for the parking lot
-click on "Navigate" to the navigate to the parking lot
--click on "Reserve" to reserve a spot in the parking lot

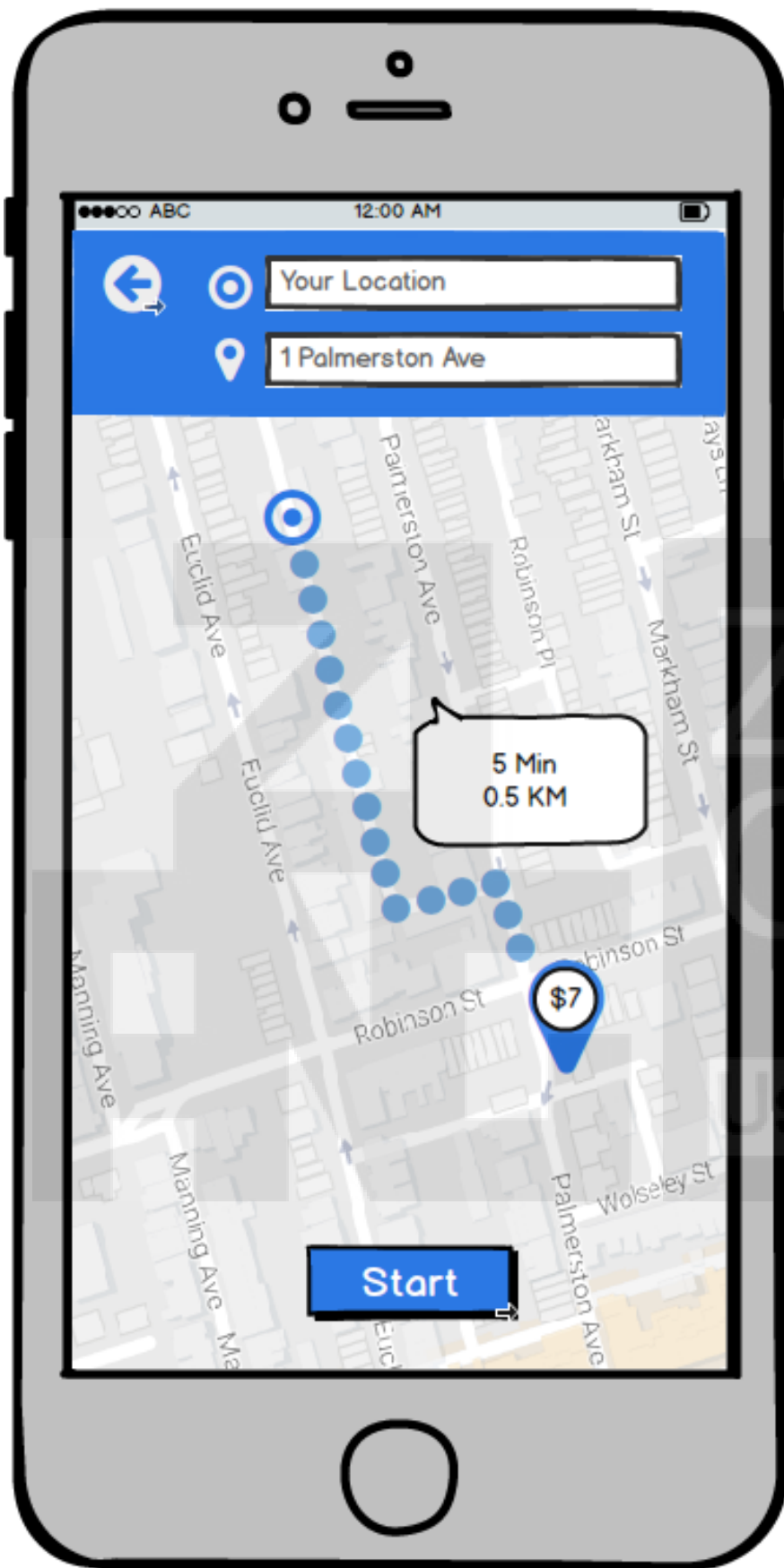
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User Experience



Home page when user clicks on subway icon

- Display basic information about the subway station (i.e. subway name and line number)

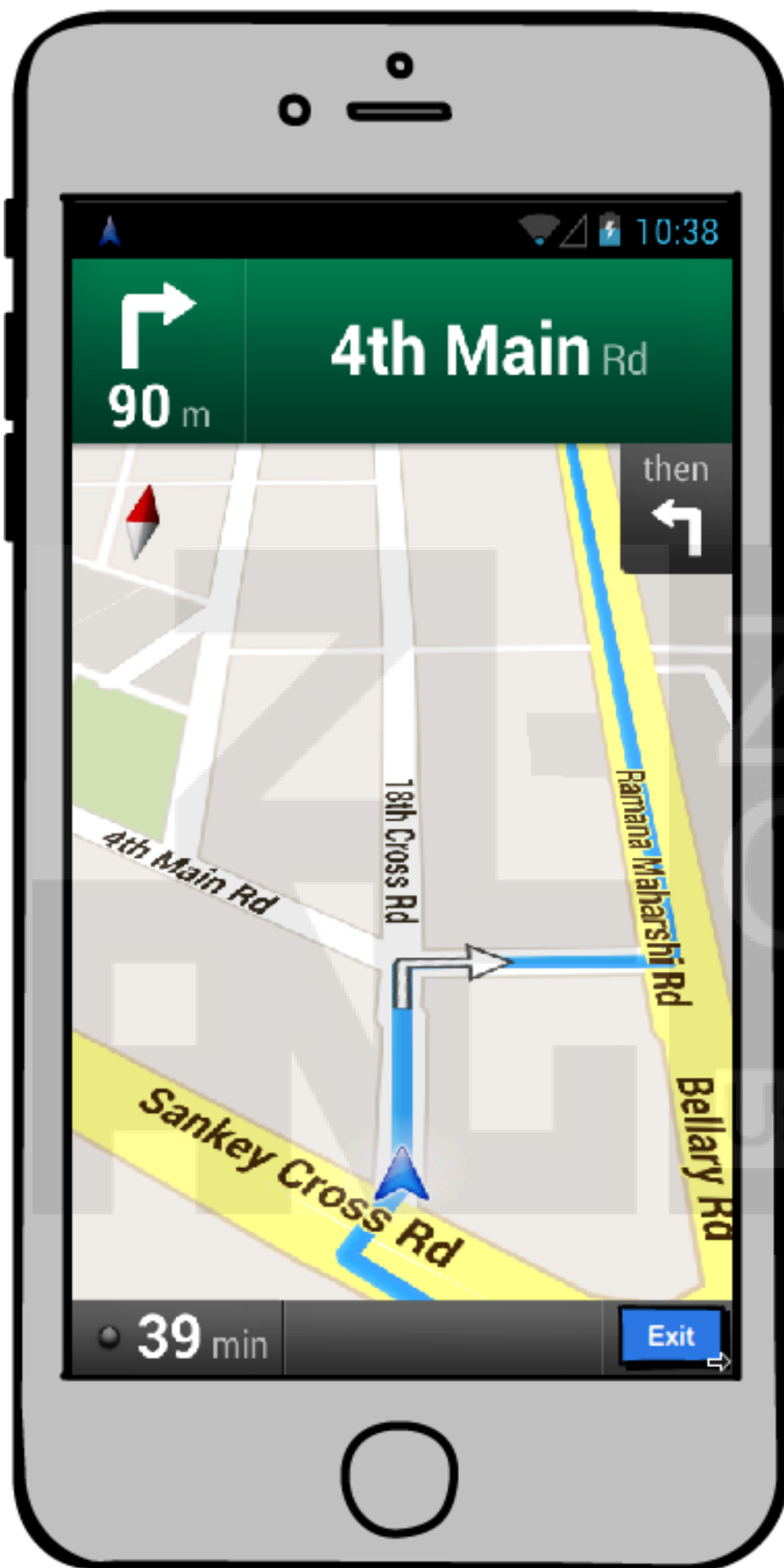


Navigation pre-start page
navigation to the location the user
selected.

shows approximate time and distance
click on "start" to start the navigation
click on "back" icon to go back

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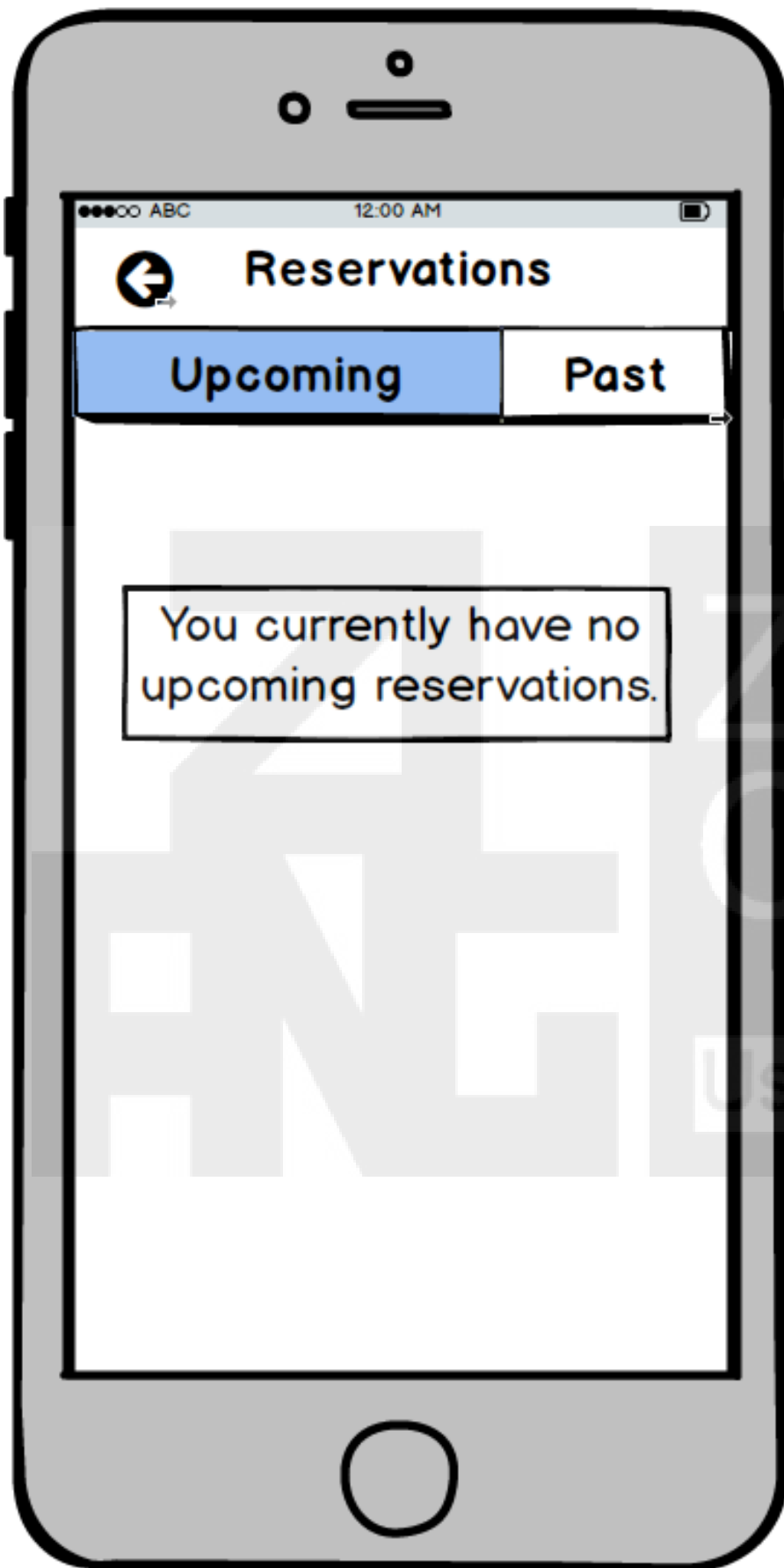
User Experience



Navigation start page
-GPS directions to destination
after navigation starts

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User Experience



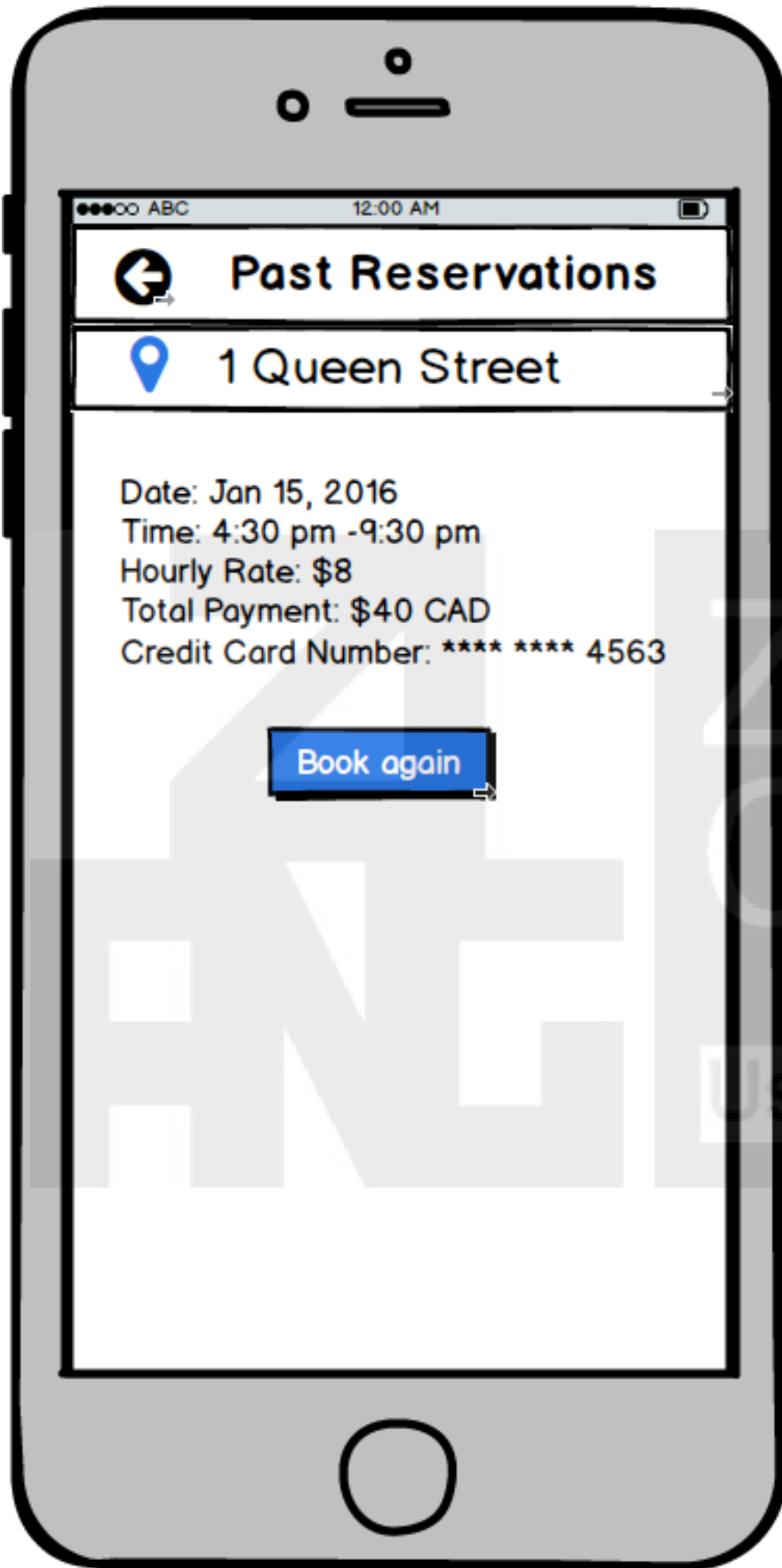
User Experience



Past Reservation page

-a records of past reservations by location

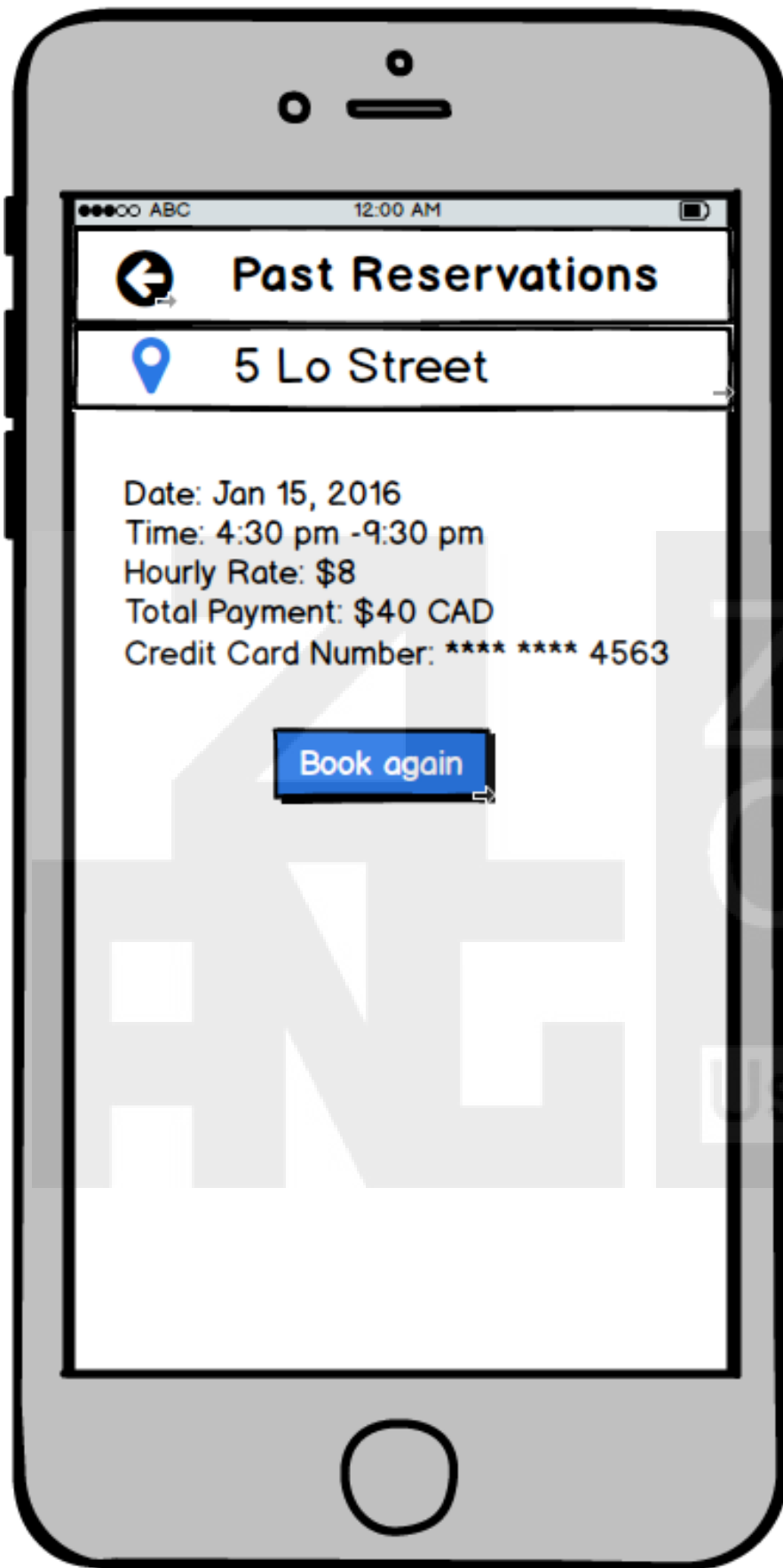
- user can click on each address for more information about the reservation



Past Reservations (location)
-user can review payment information
for past reservation and choose to book
again

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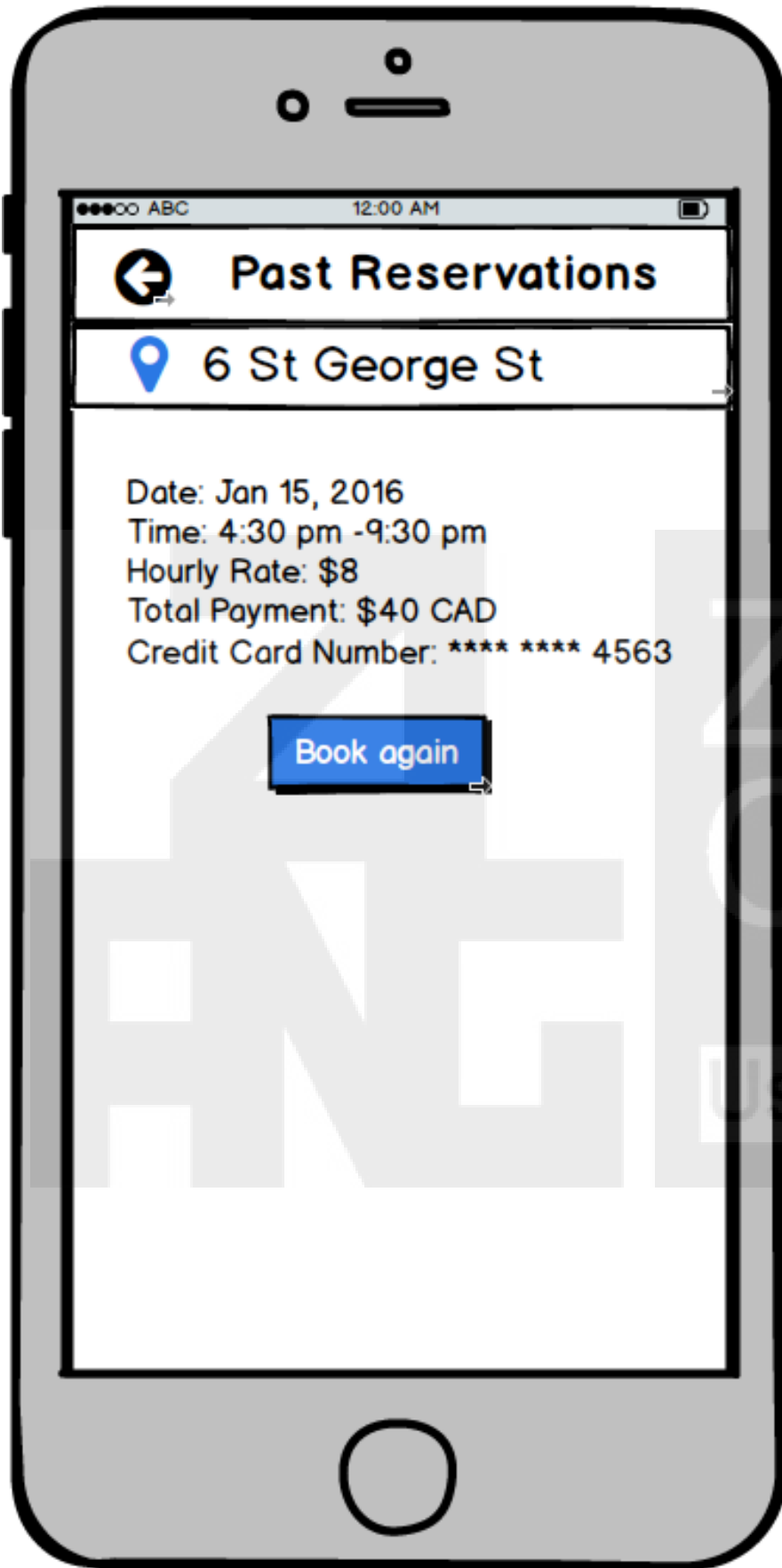
User Experience



Past Reservations (location)
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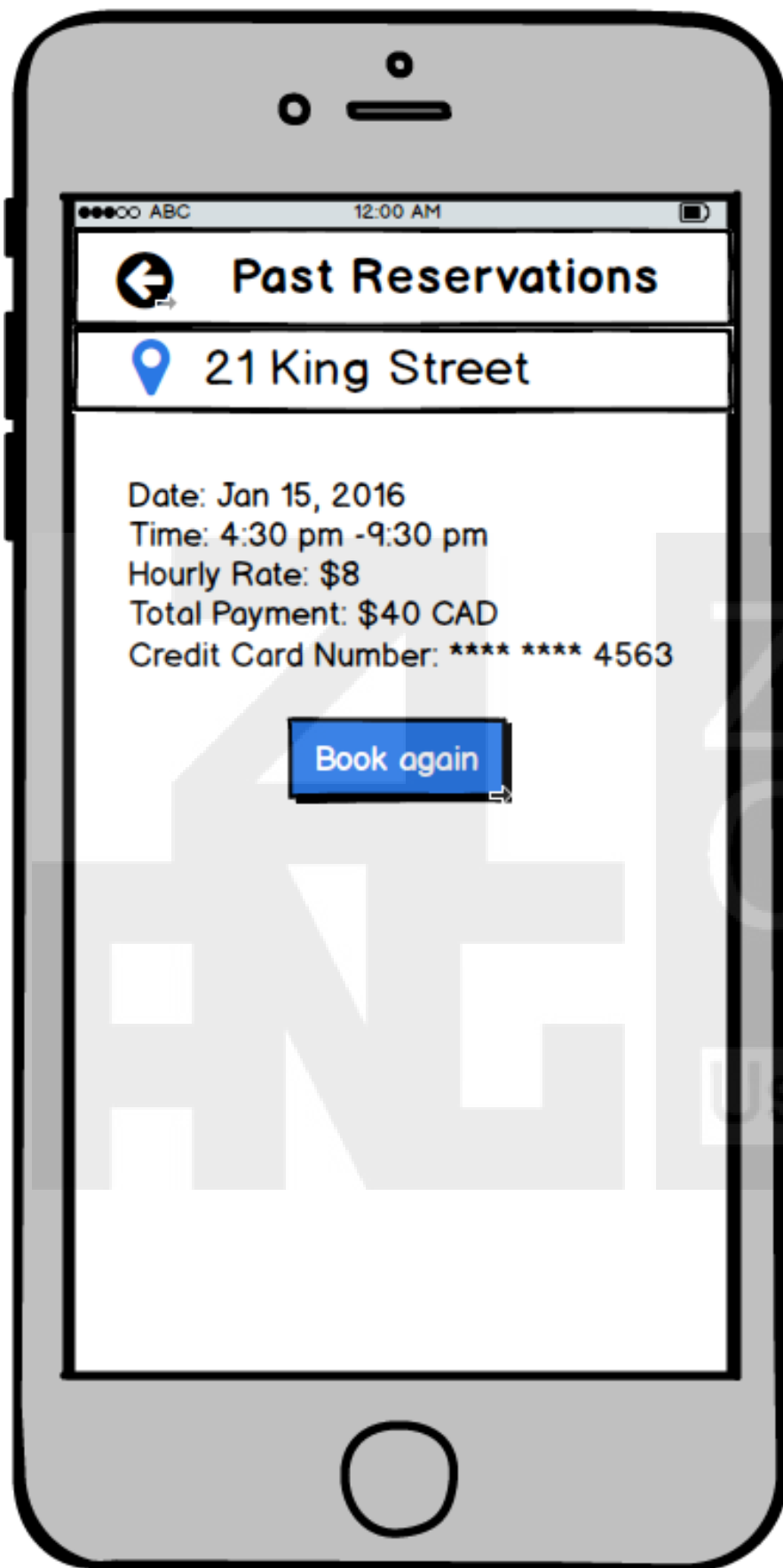
User Experience



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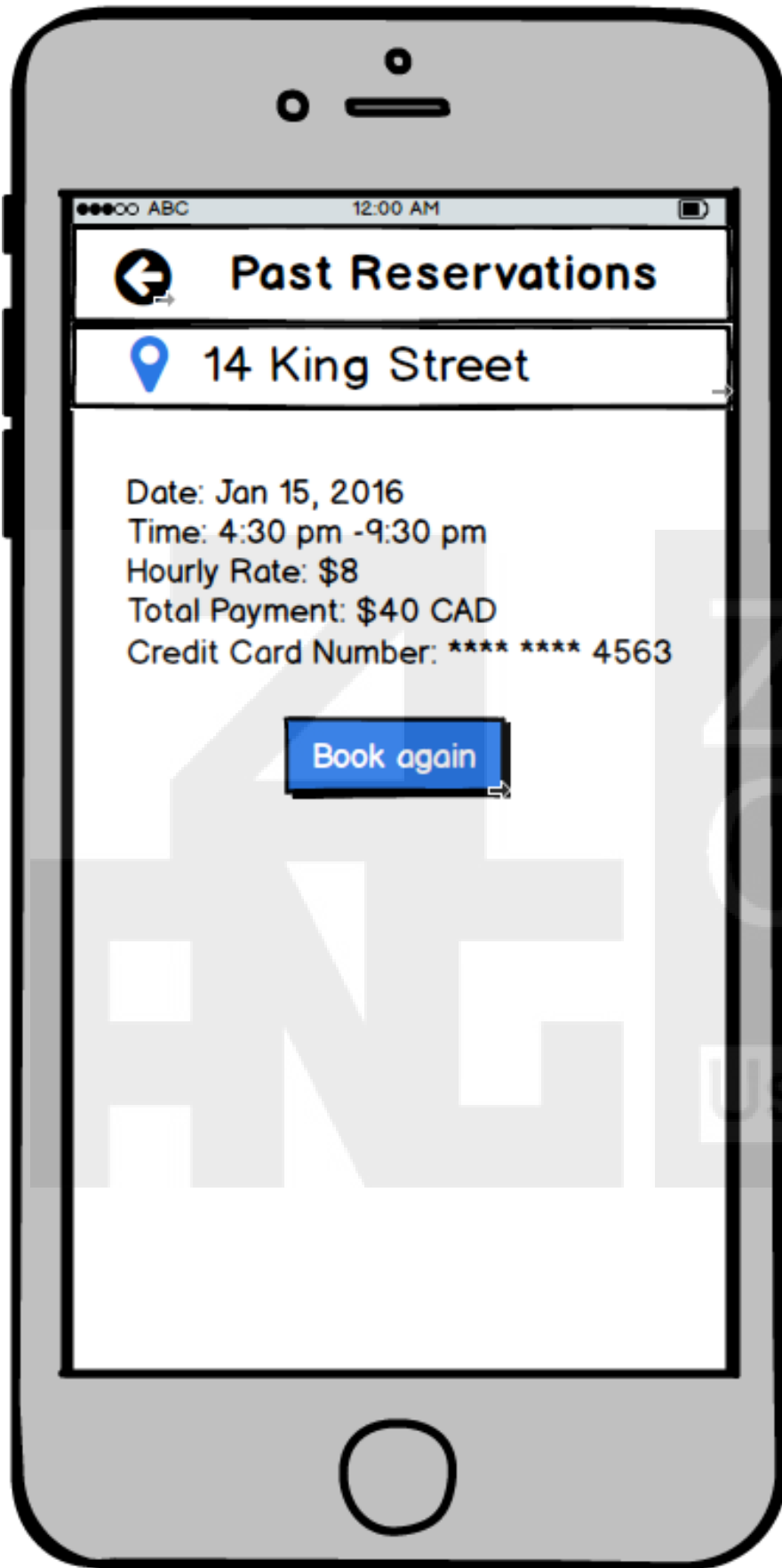
User Experience



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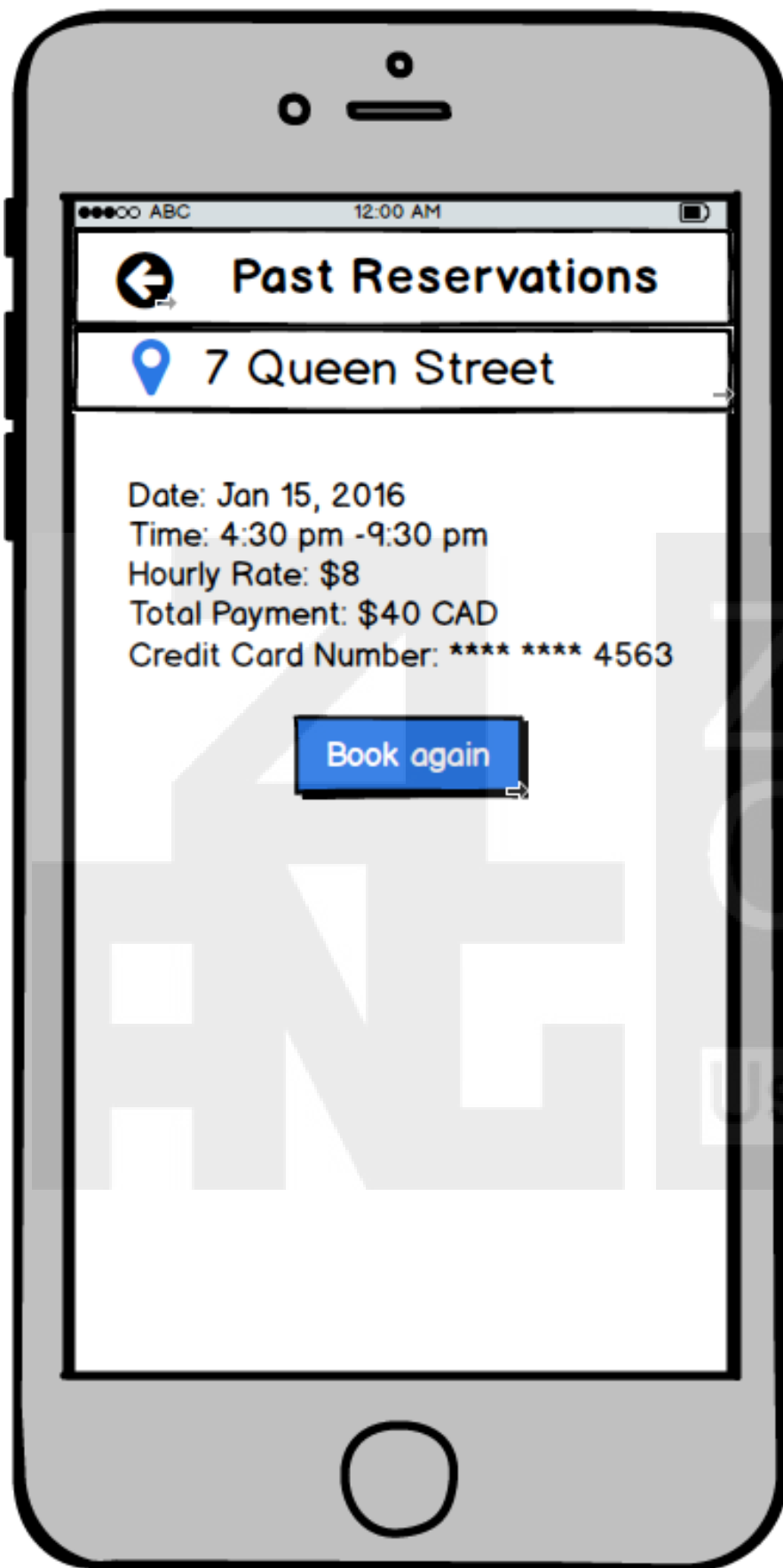
User Experience



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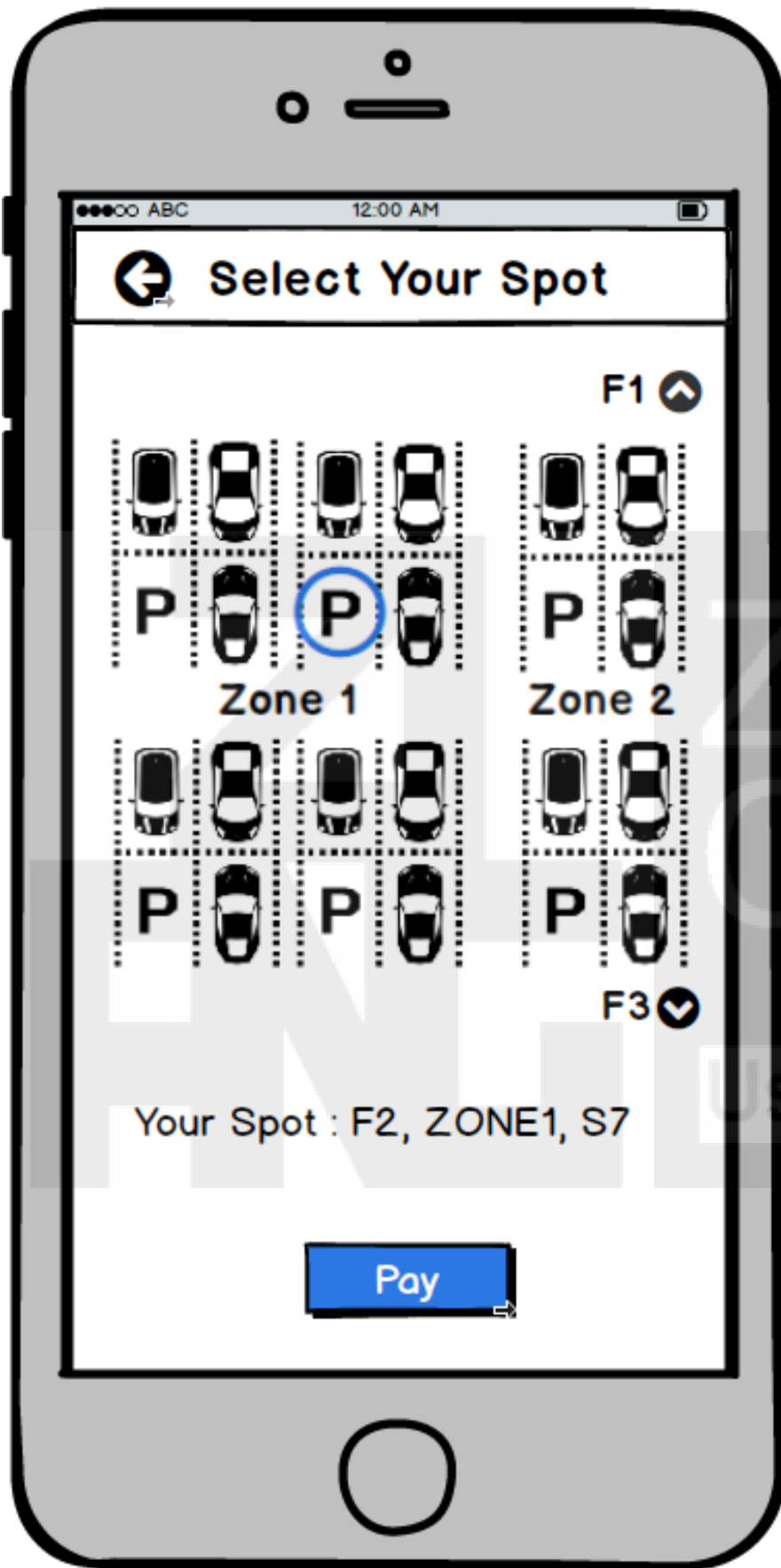
User Experience



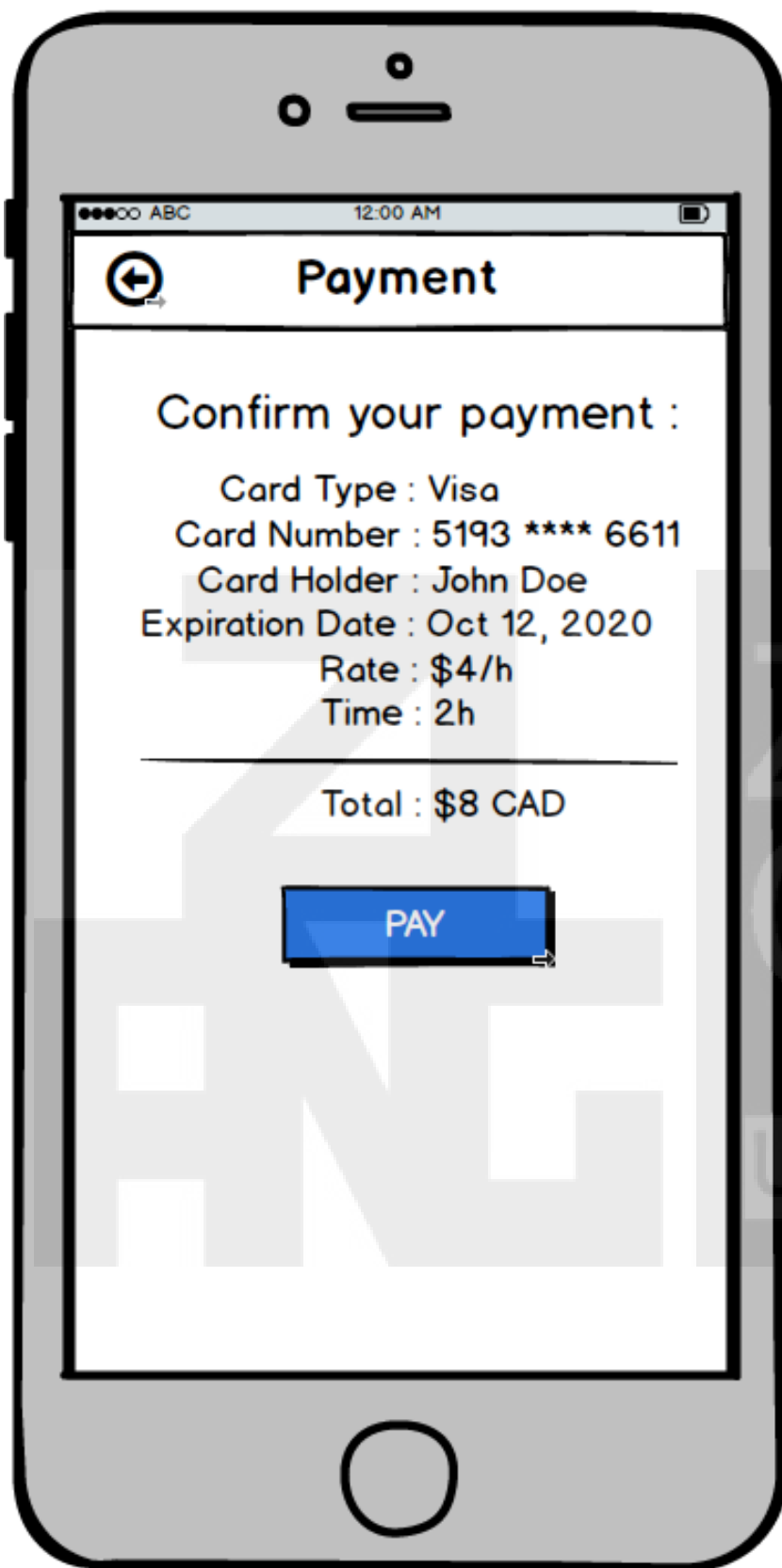
Past Reservations (location)
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for past reservation and choose to book
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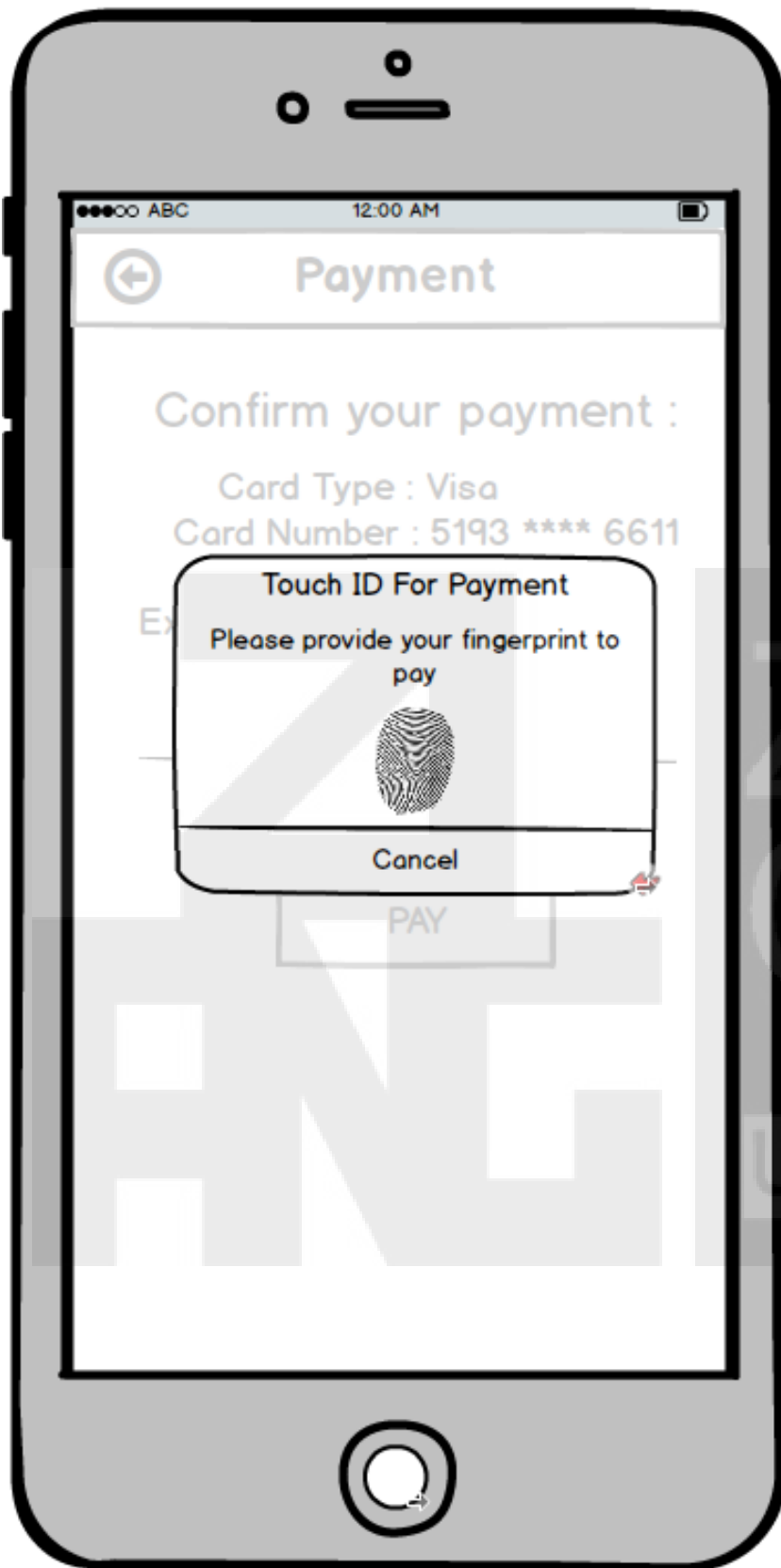
User Experience



spot selection page
user can navigate through the
parking lot map and select a spot
the system generates spot
information
-users can confirm and click on "
pay" button to go to payment



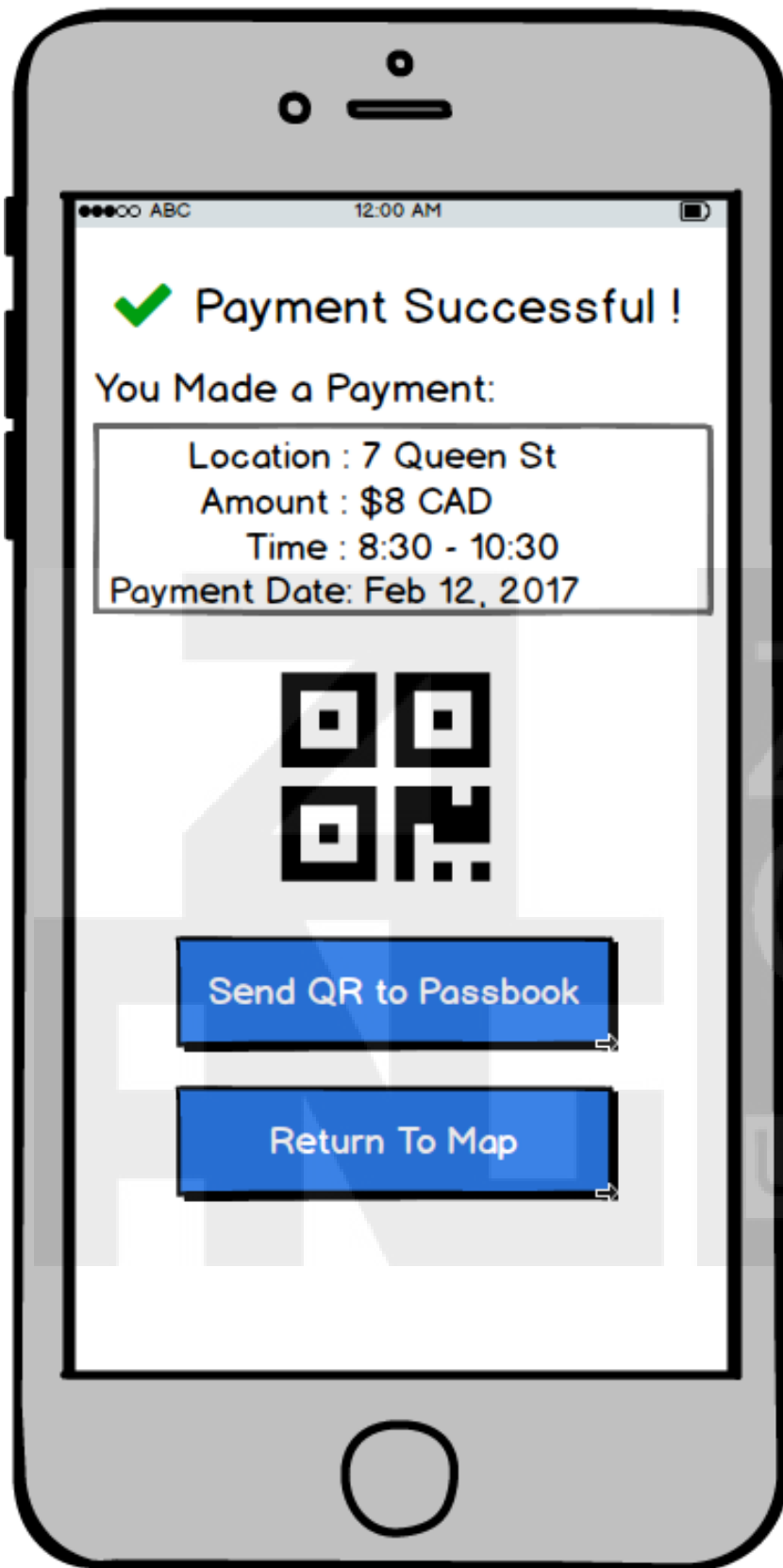
Confirm payment page
-user can review payment information
before choosing to pay



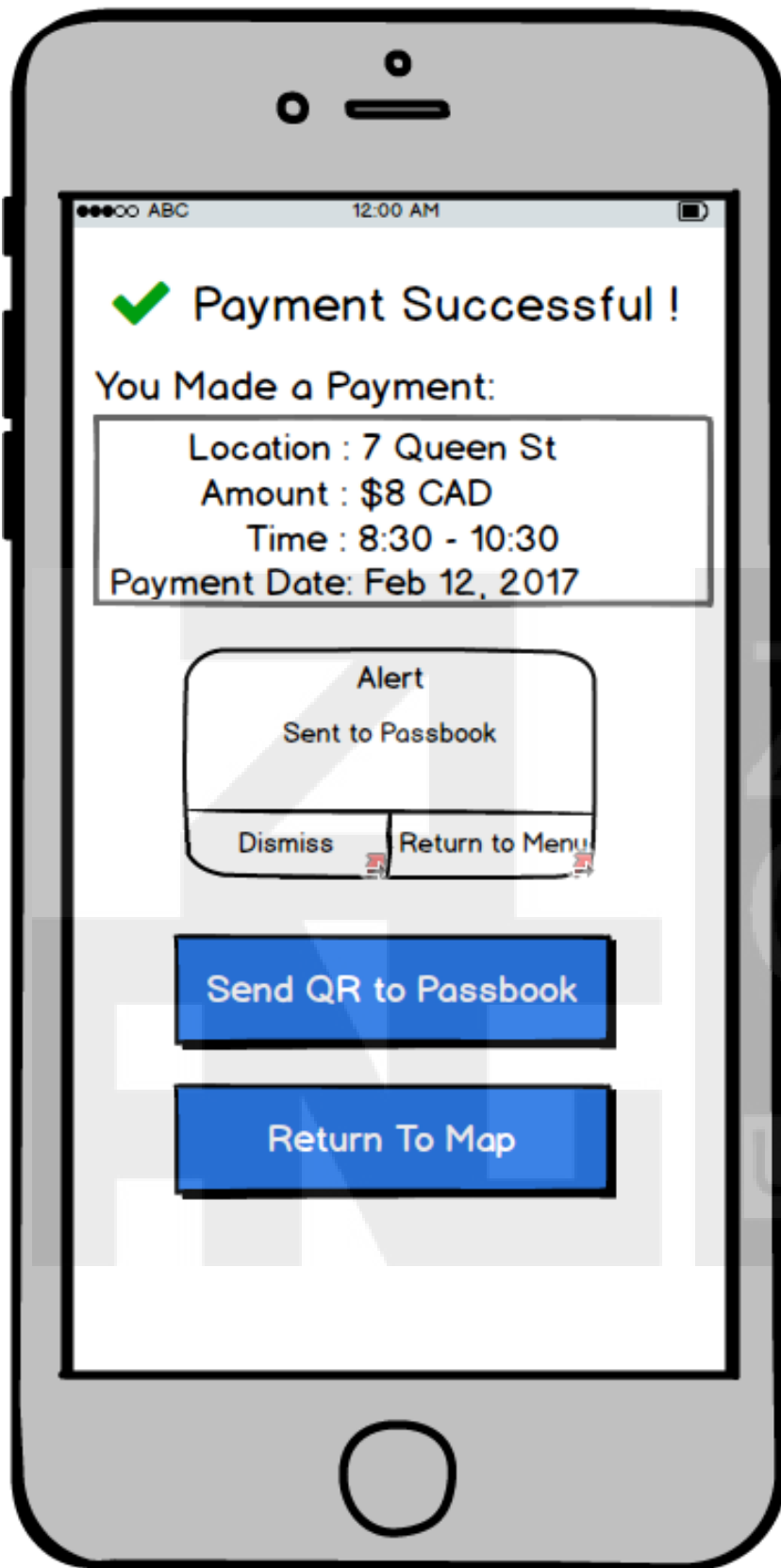
Confirm payment page
-user will be prompted to use touch ID
for payment verification, if it has been
set up on the phone

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User Experience



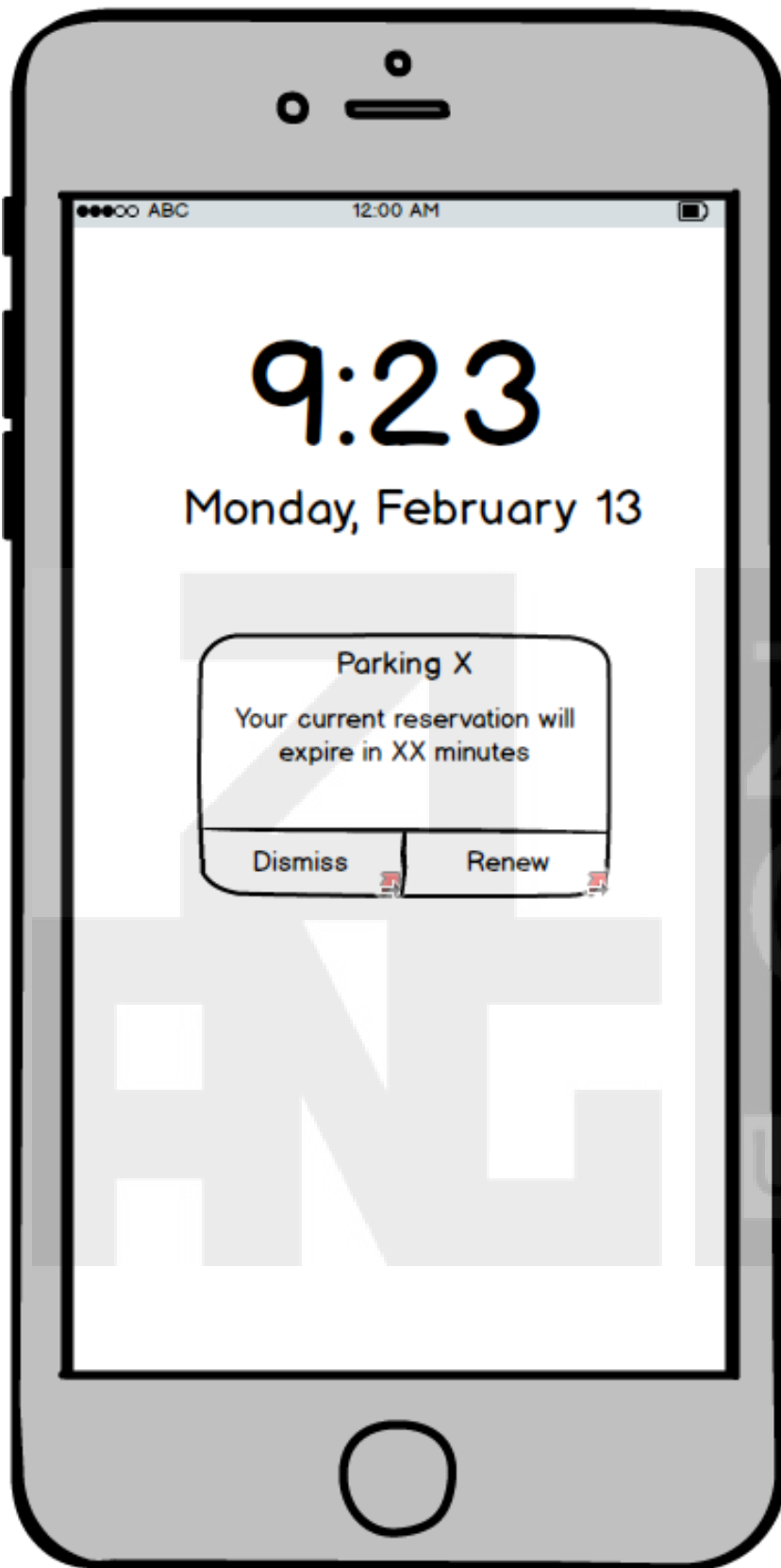
Confirm payment page
upon successful confirmation of
payment, a QR code will be generated
user can choose to send the QR code
to Passbook or return to the map (home
page)



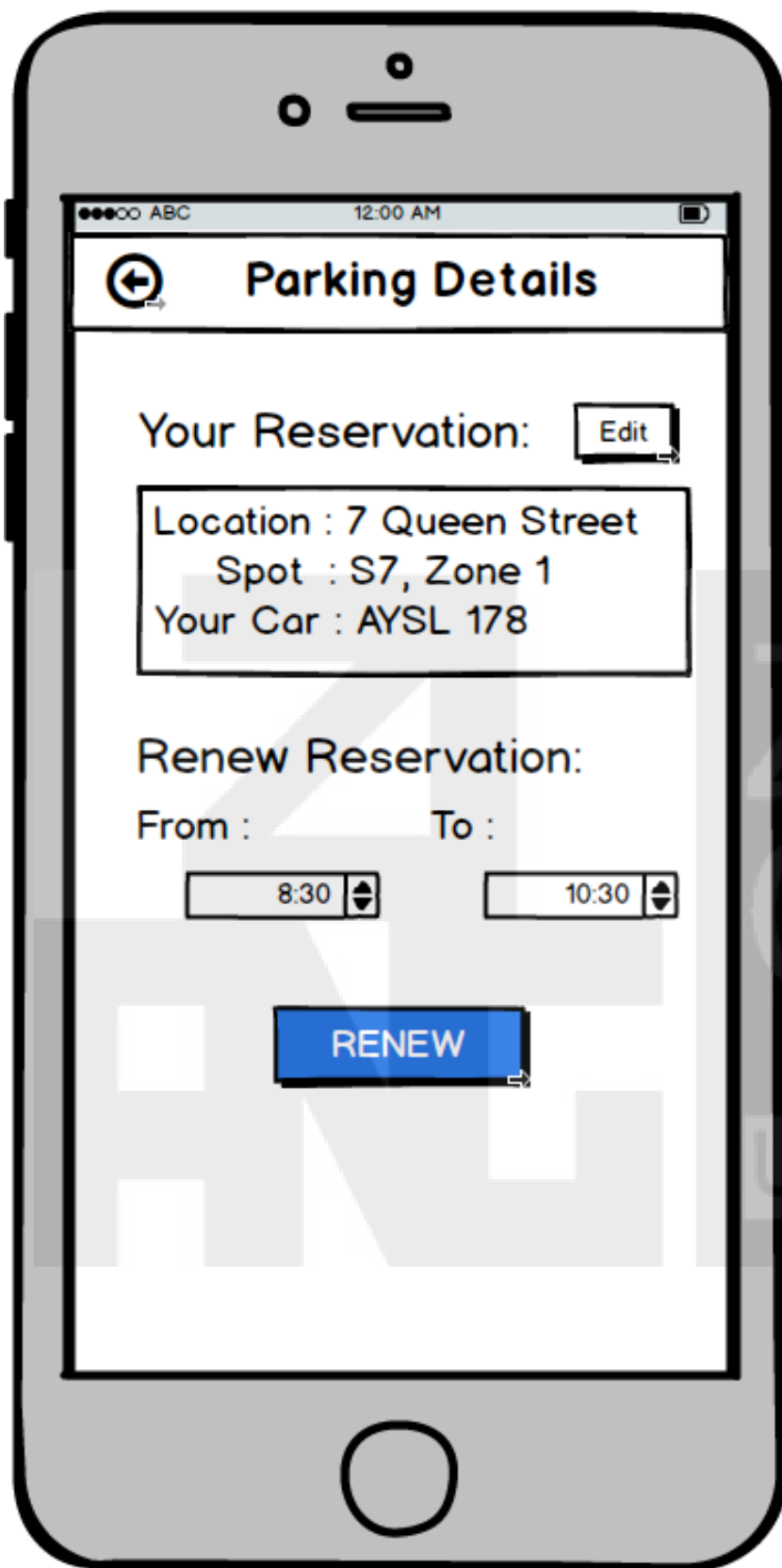
Confirm payment page
-an alert will appear if user chooses to
send QR to passbook

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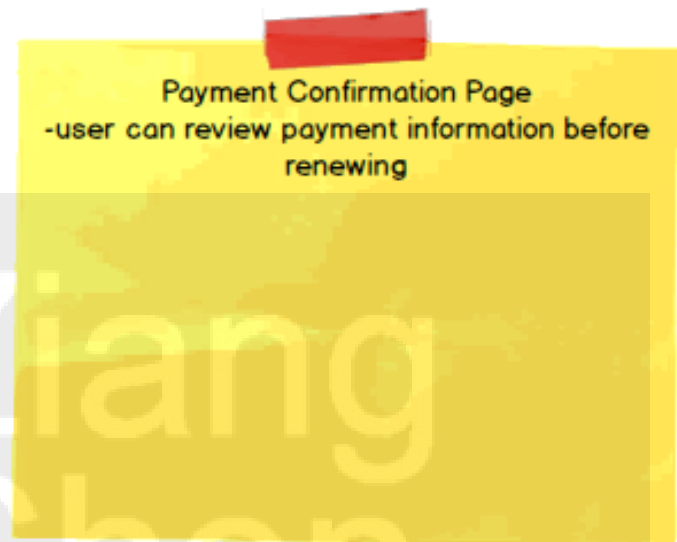
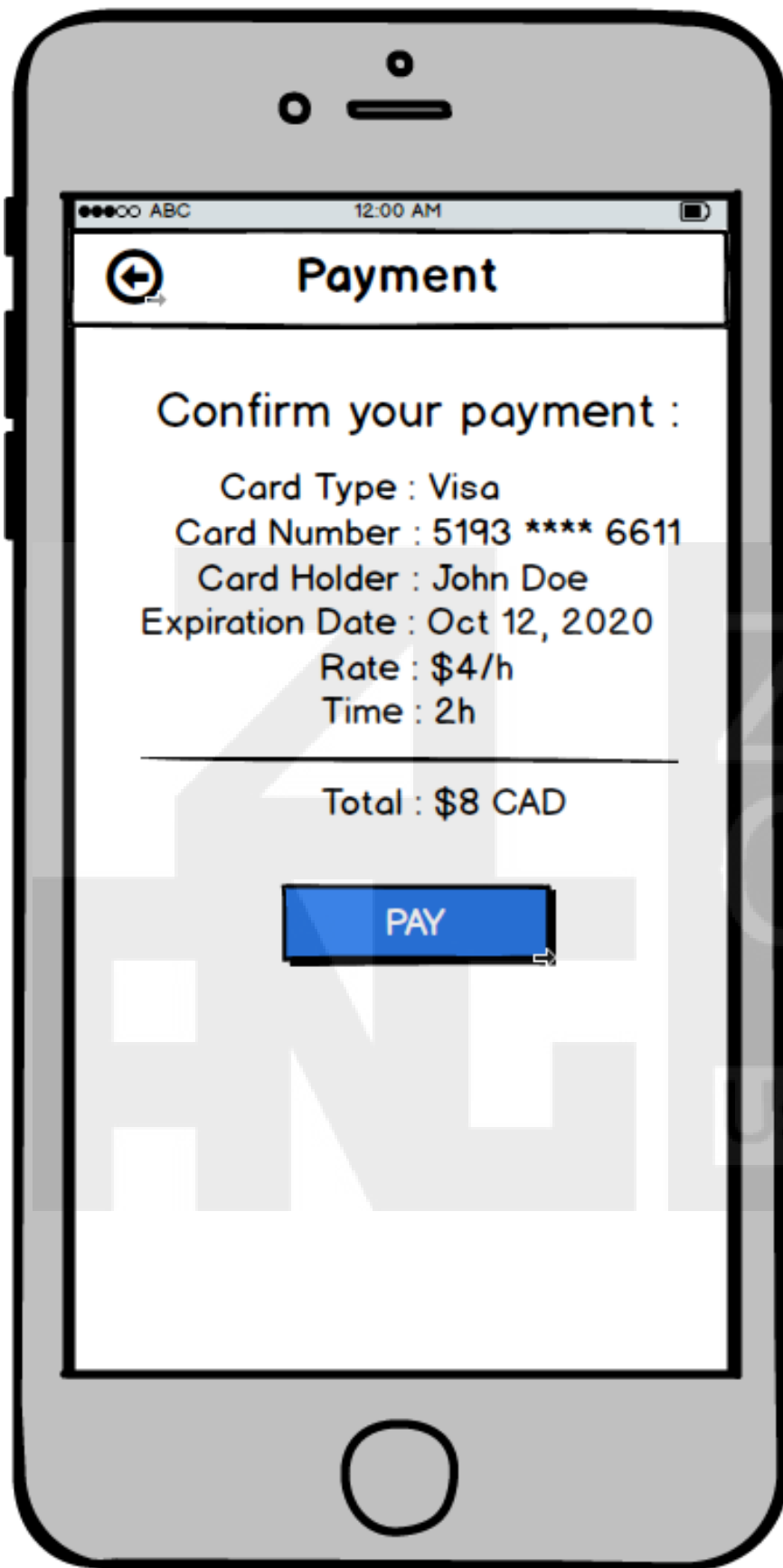
User Experience



Time Reminder notification
user will receive a notification if their
reservation is about to expire
user can choose to dismiss the
notification or renew it



Renew reservation page
if user chooses to renew the
reservation, they can select the
duration of the new reservation
user can also edit the reservation if
they want to select a different parking
spot or change the date of reservation

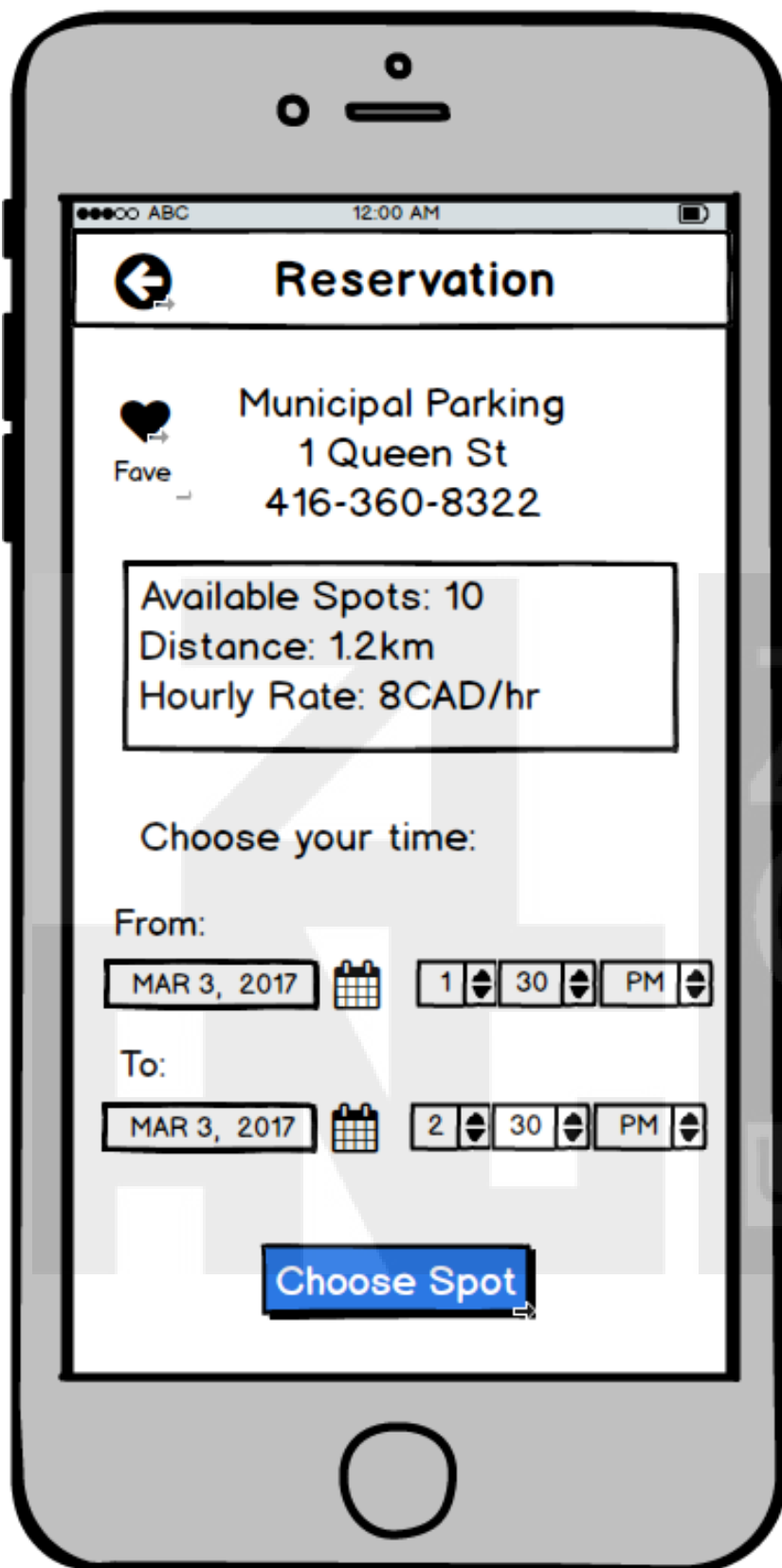


User Experience



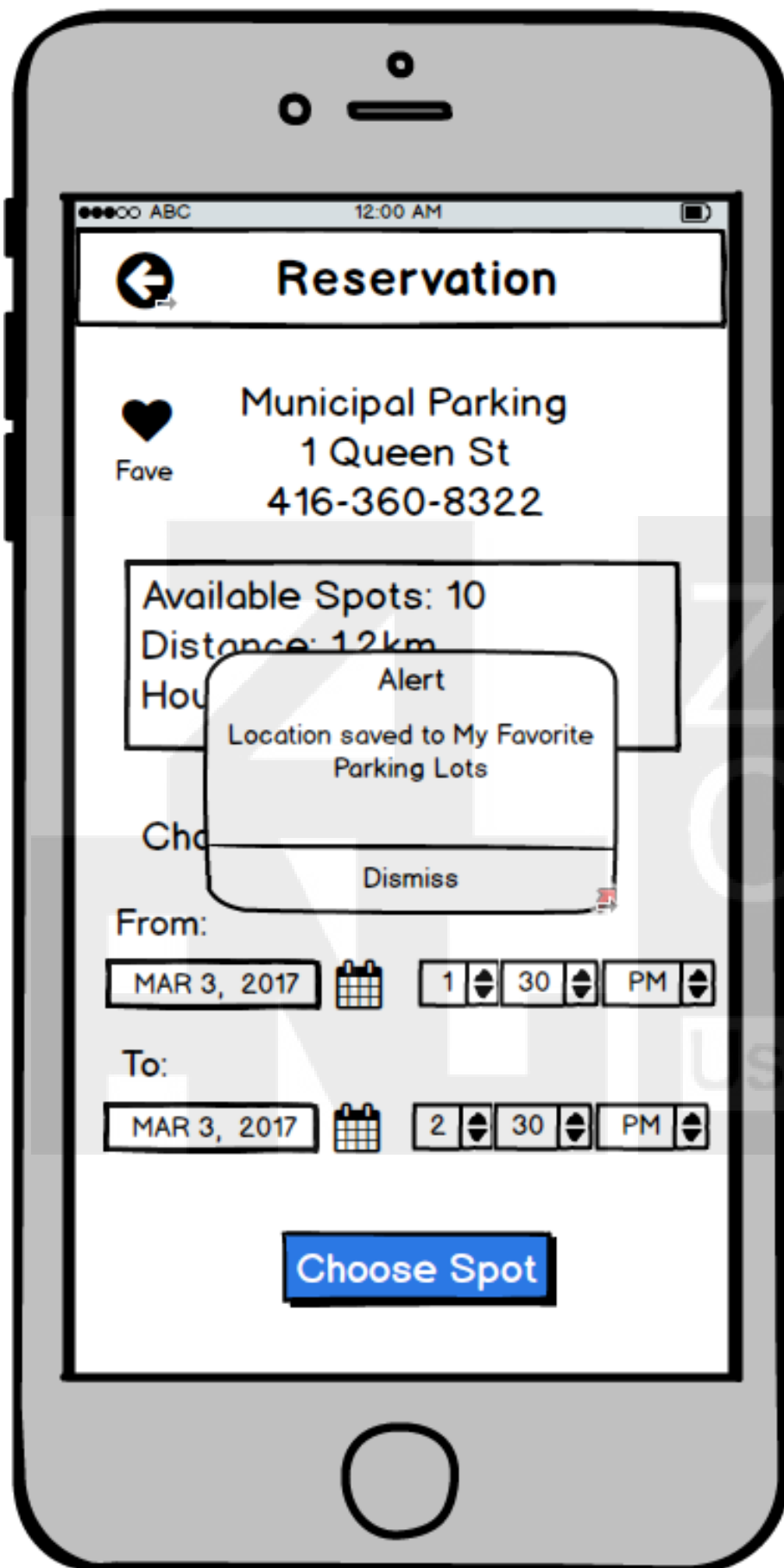
My Favorite Parking Lots page user can review the locations they have saved as their favorite parking lots for easy access clicking on a location will take them to the reservation page -swiping left on a location will show an option to delete it (not available for demo in prototype)

User Experience

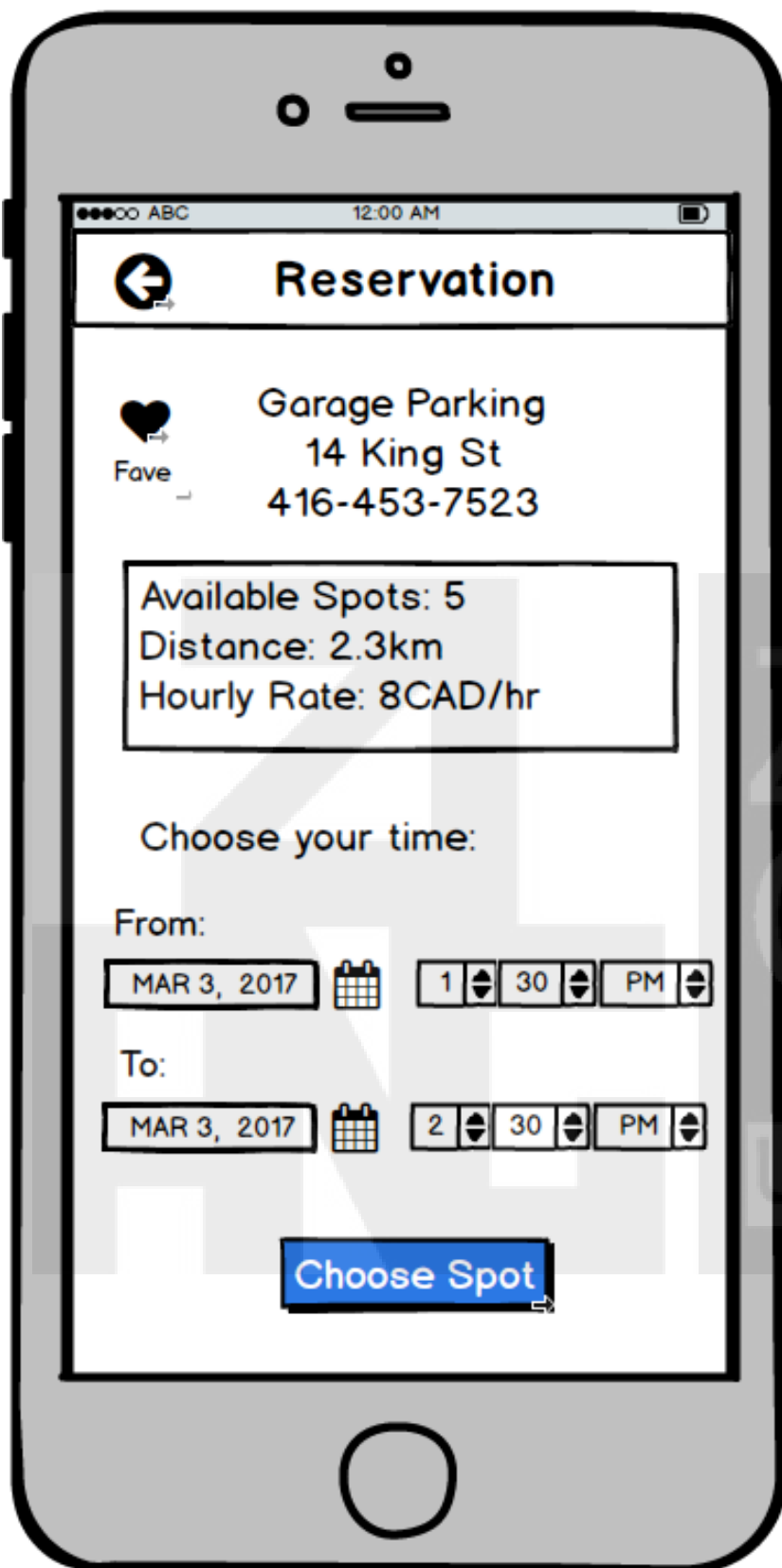


Reservation Page

user can review information about the parking lot
user can click the heart icon or "Fave" to save the lot to "My Favorite Parking Lots"
to reserve, user chooses the date and time (duration) of the reservation
clicking on "Choose Spot" takes the user to the next page



Alert appears after user has saved the location to "My Favorite Parking Lots"

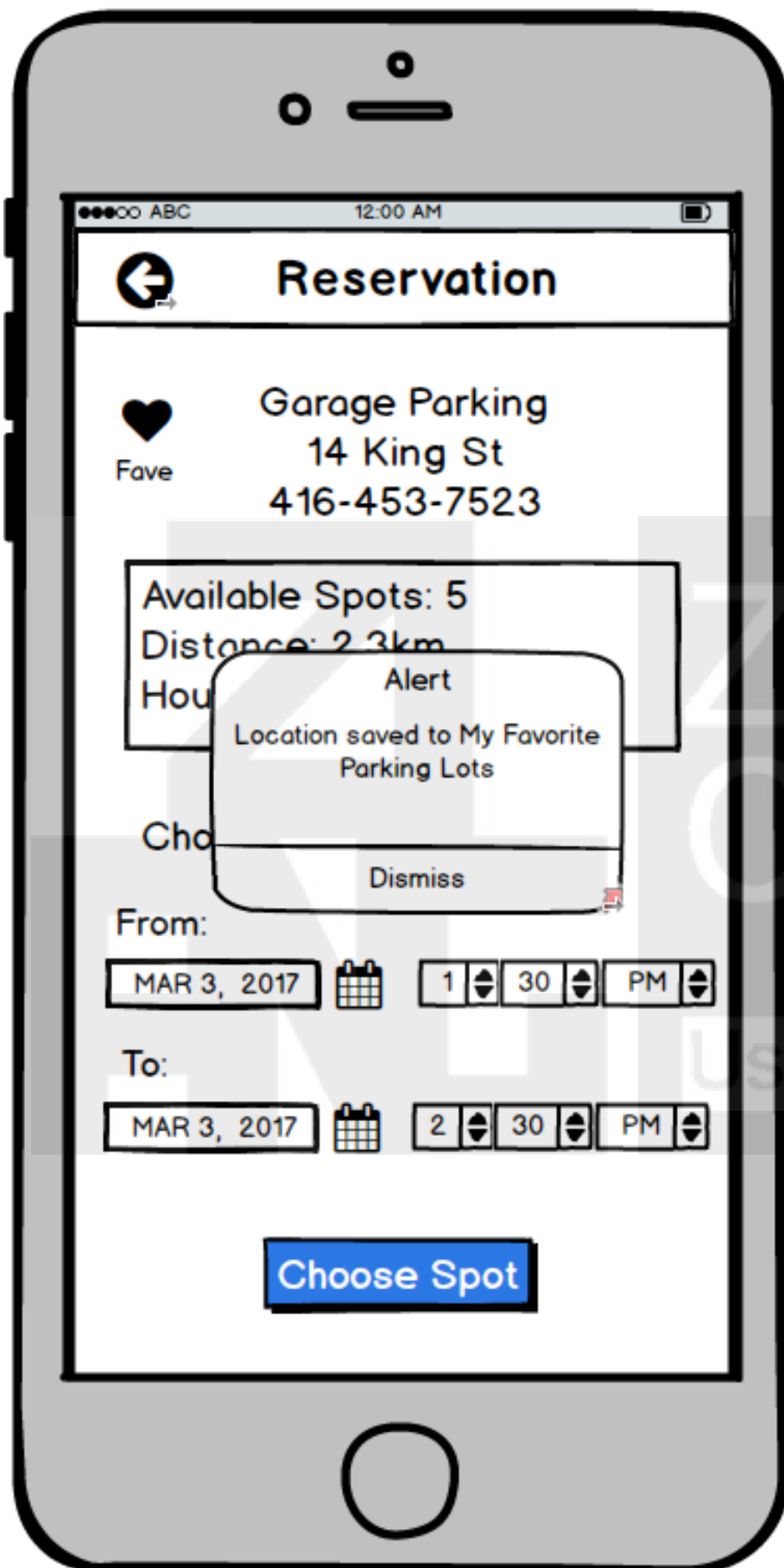


Reservation Page

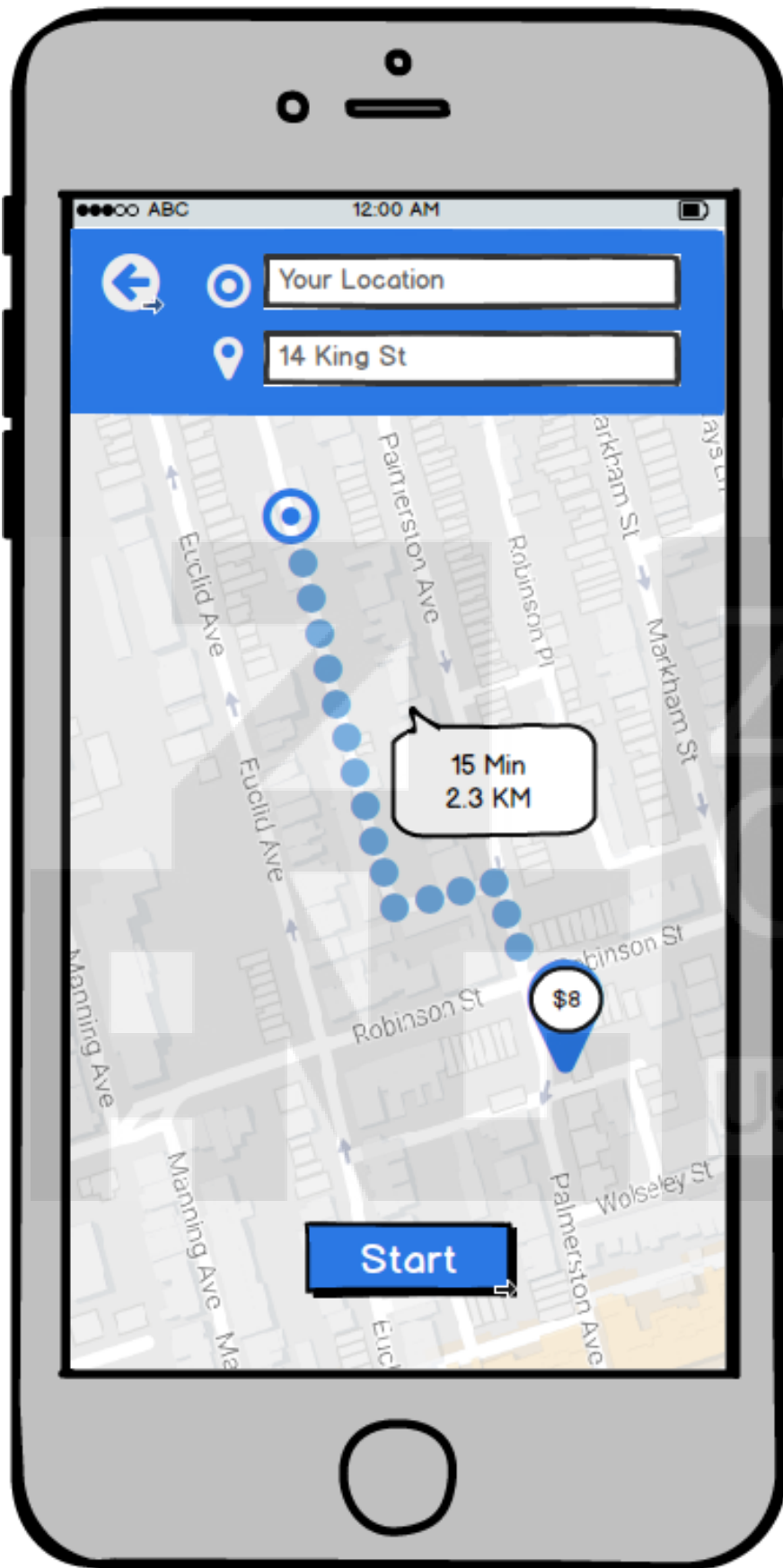
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User Experience



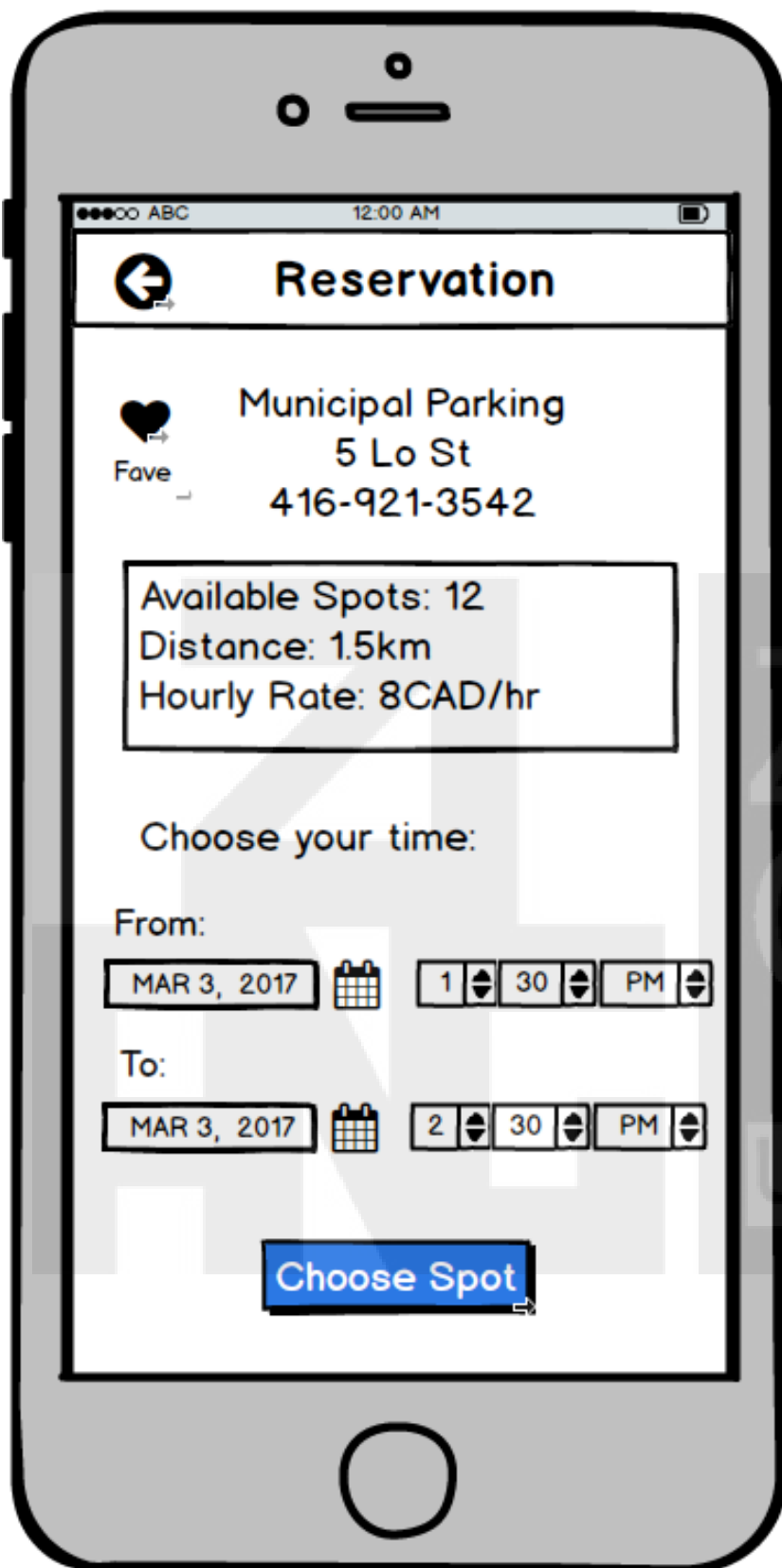
Alert appears after user has saved the location to "My Favorite Parking Lots"



Navigation pre-start page
navigation to the location user select,
indication of the approximate time and
distance

click on " start" to start the navigation
click on " back" icon to go back

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User Experience

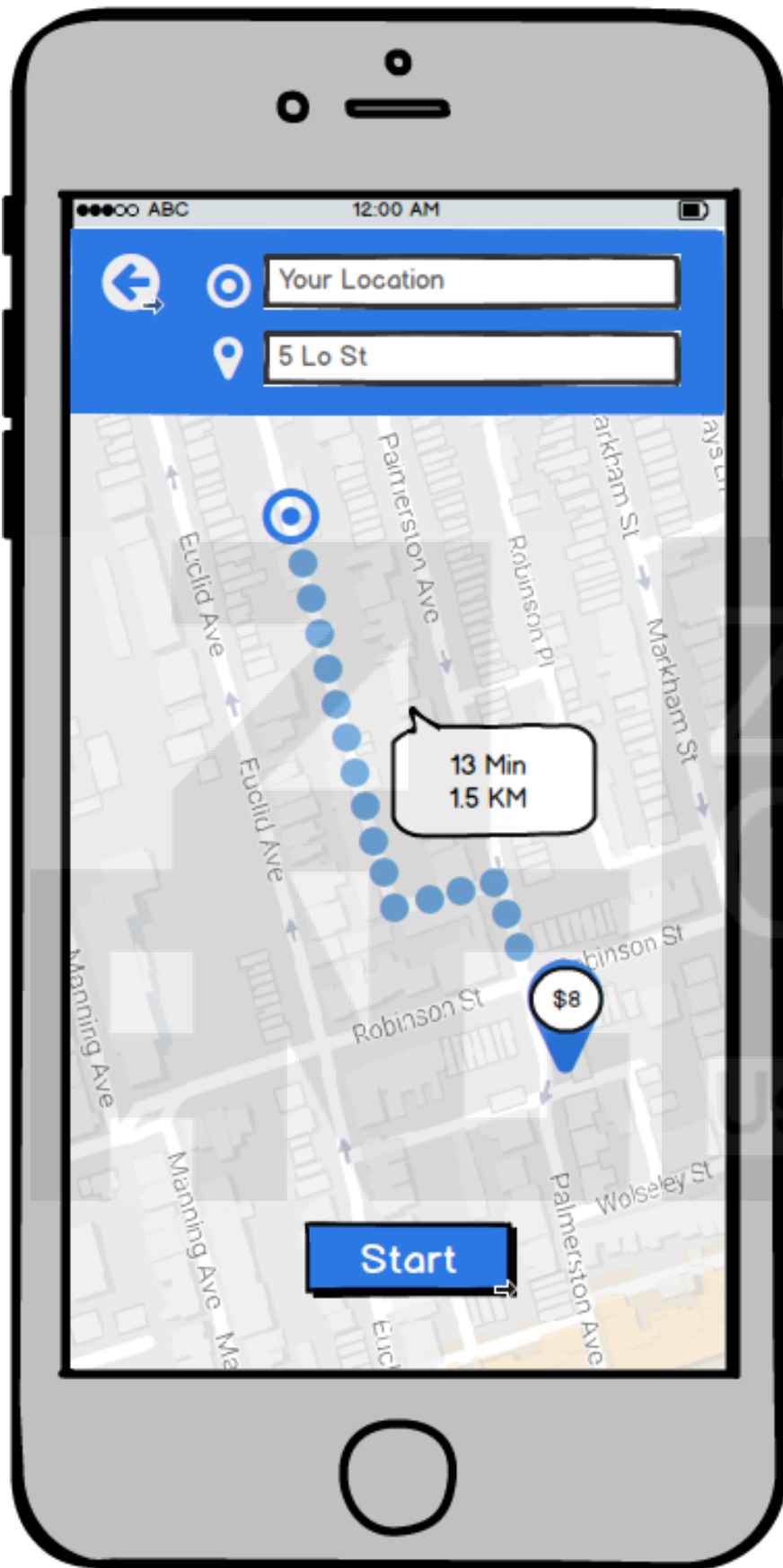


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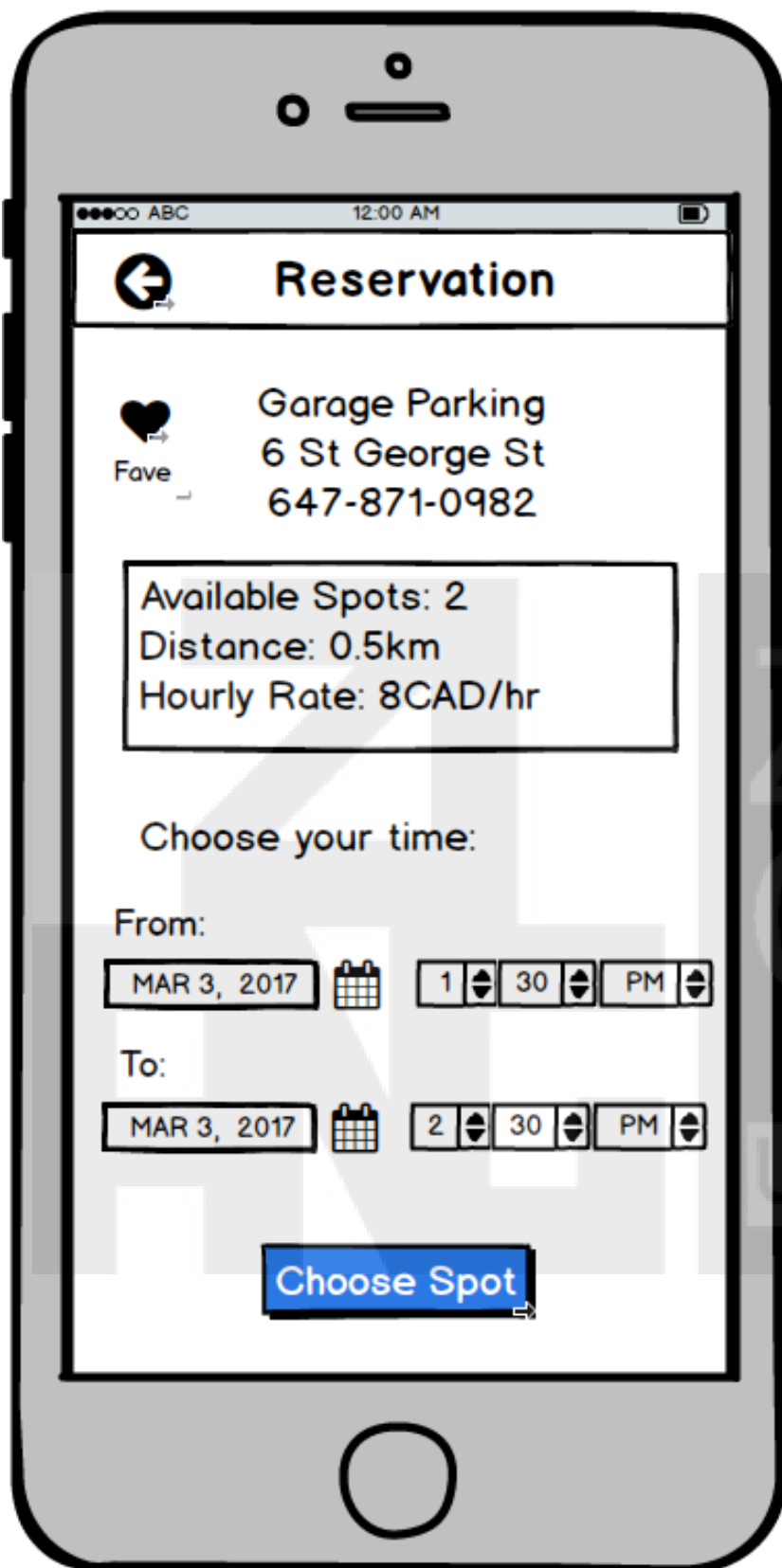
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User Experience

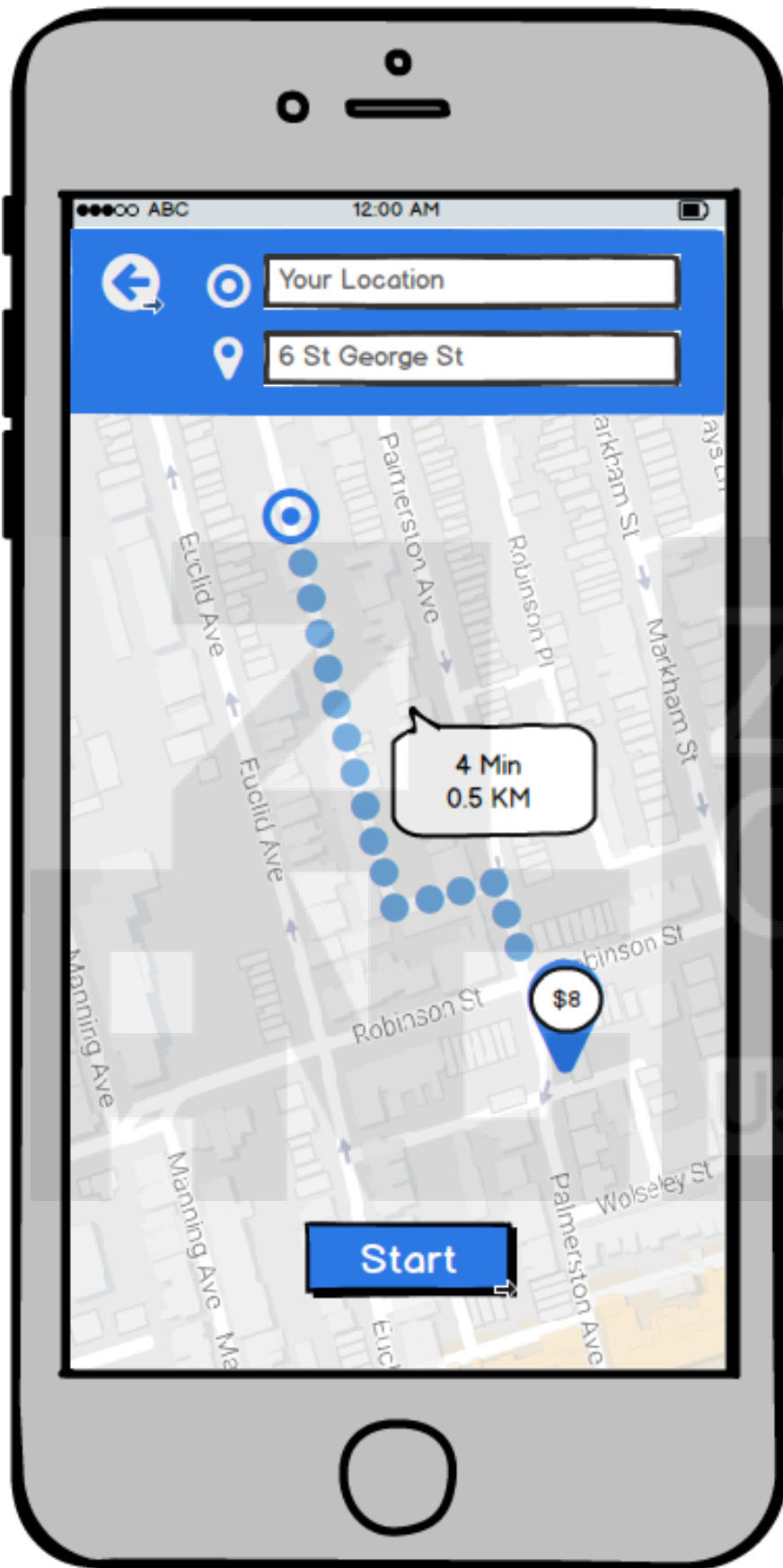


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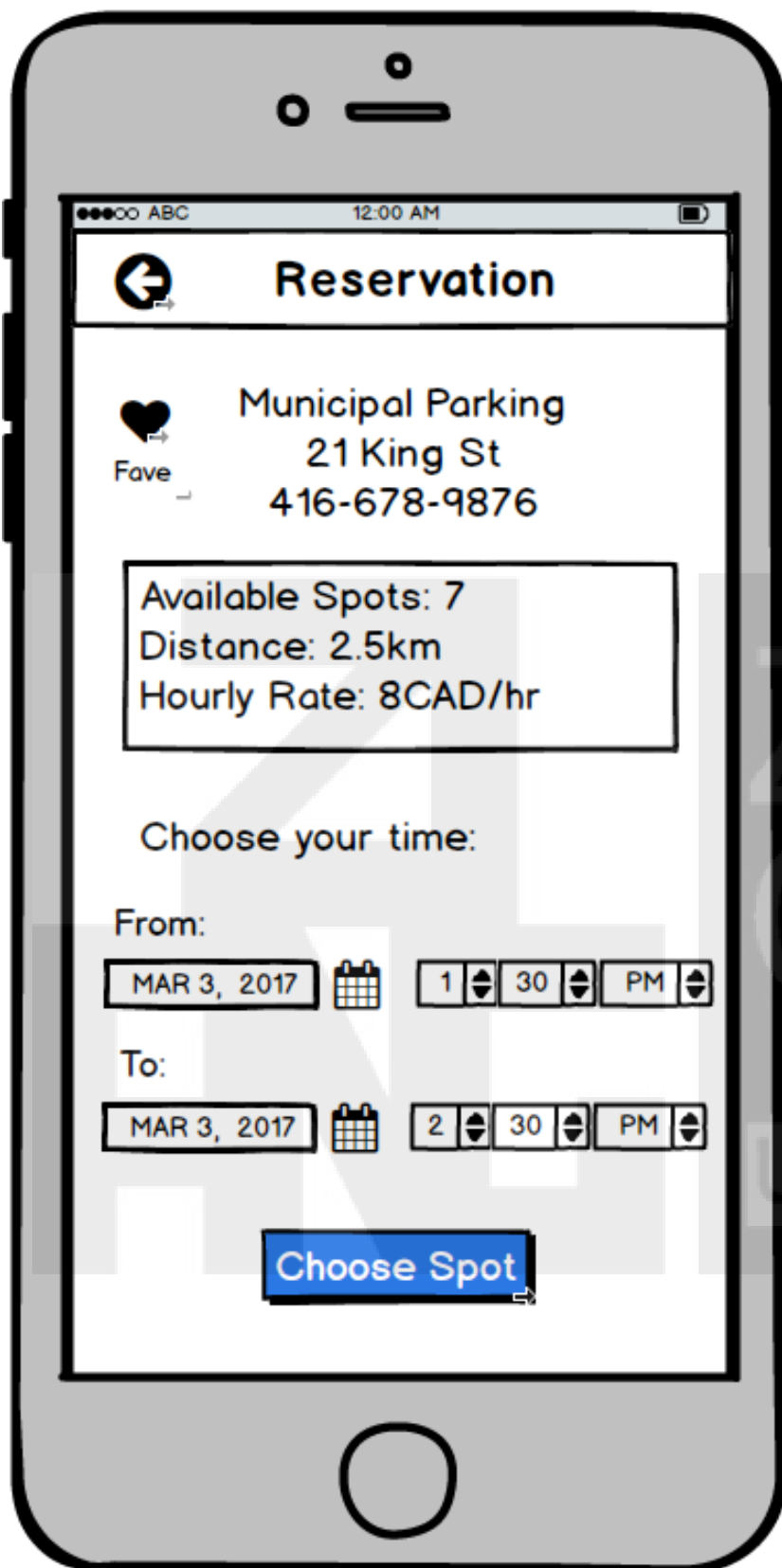
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Parking Lots"



Navigation pre-start page
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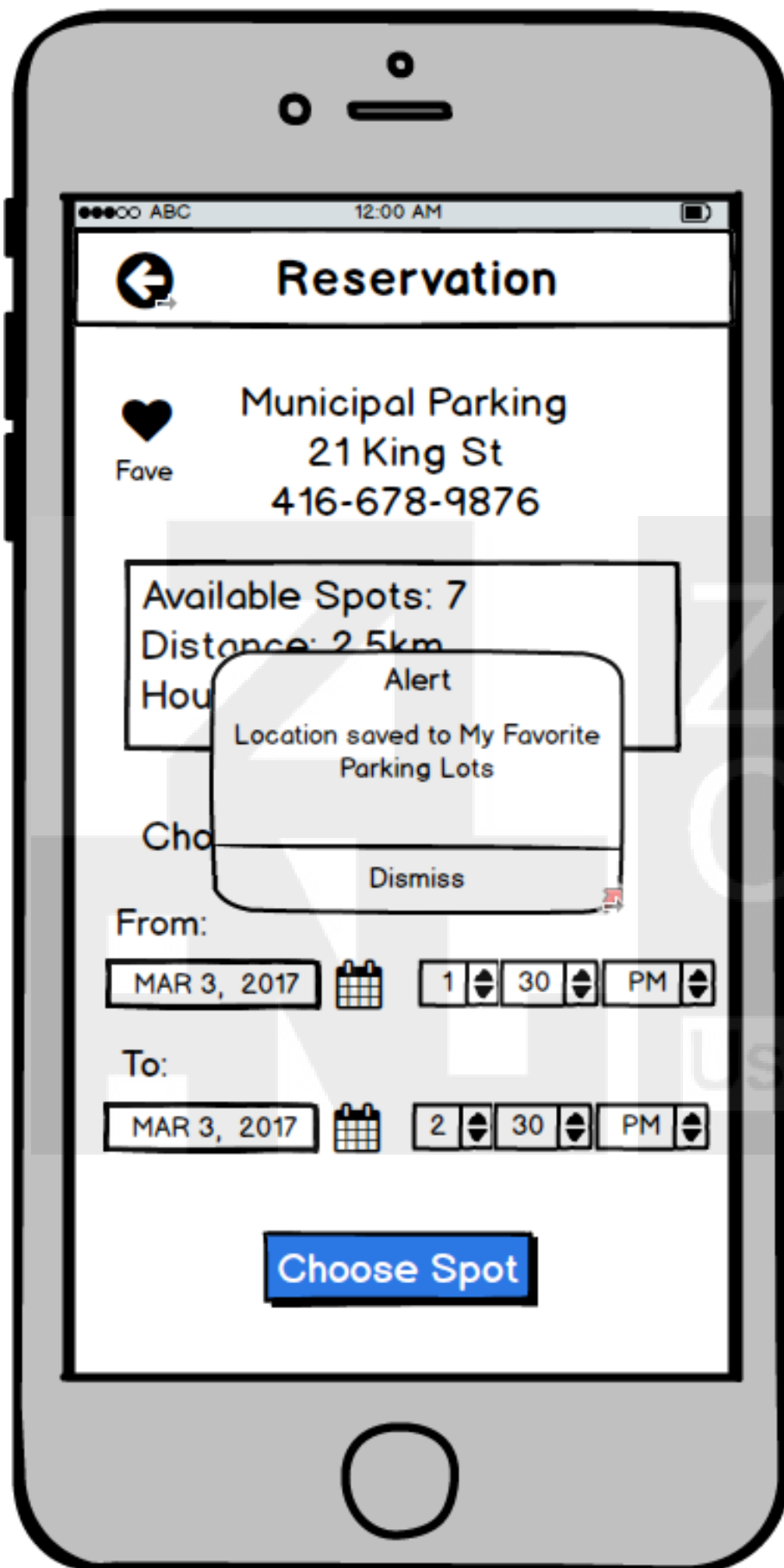
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User Experience

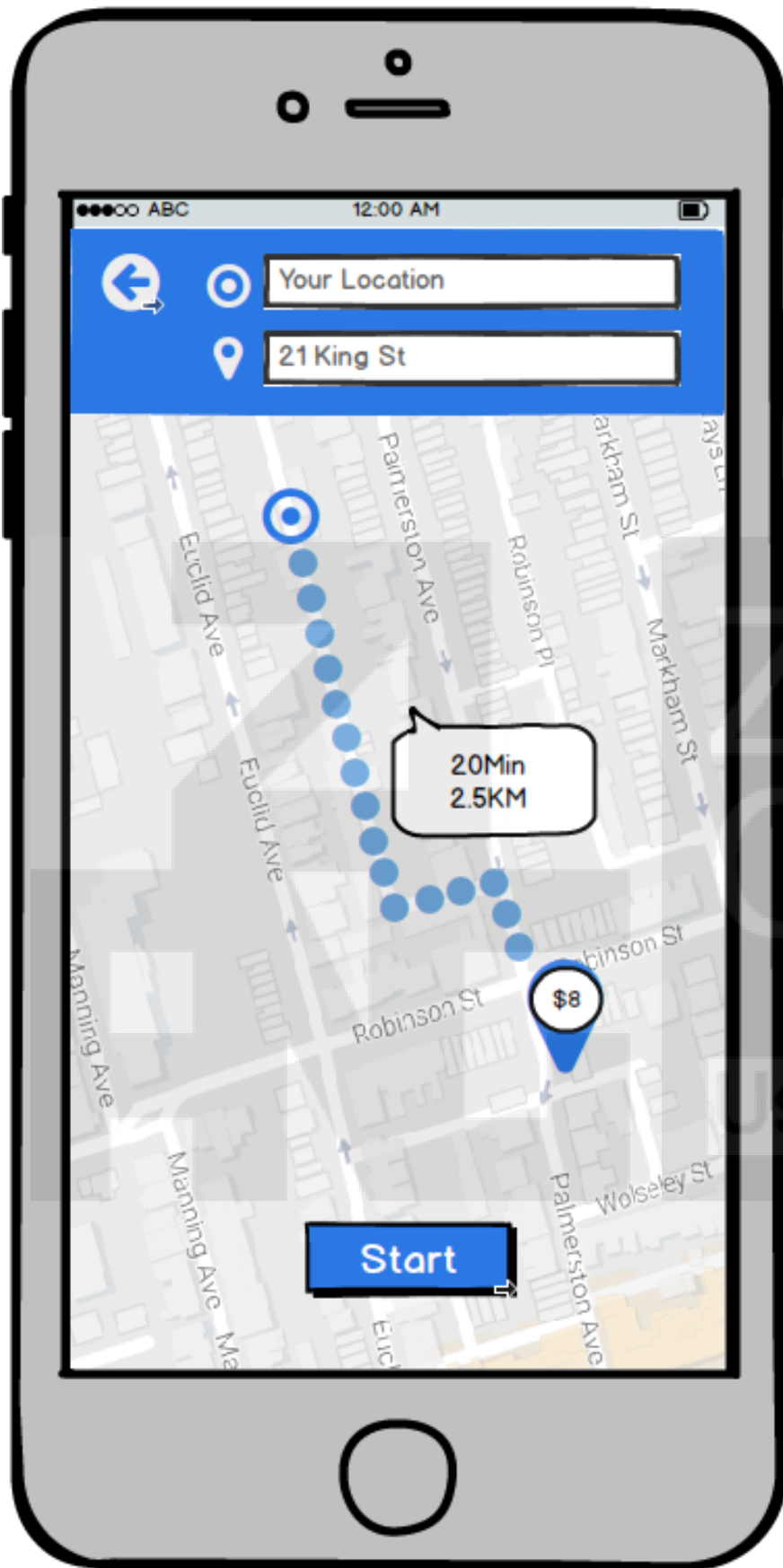


Reservation Page

user can review information about the parking lot
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clicking on "Choose Spot" takes the user to the next page



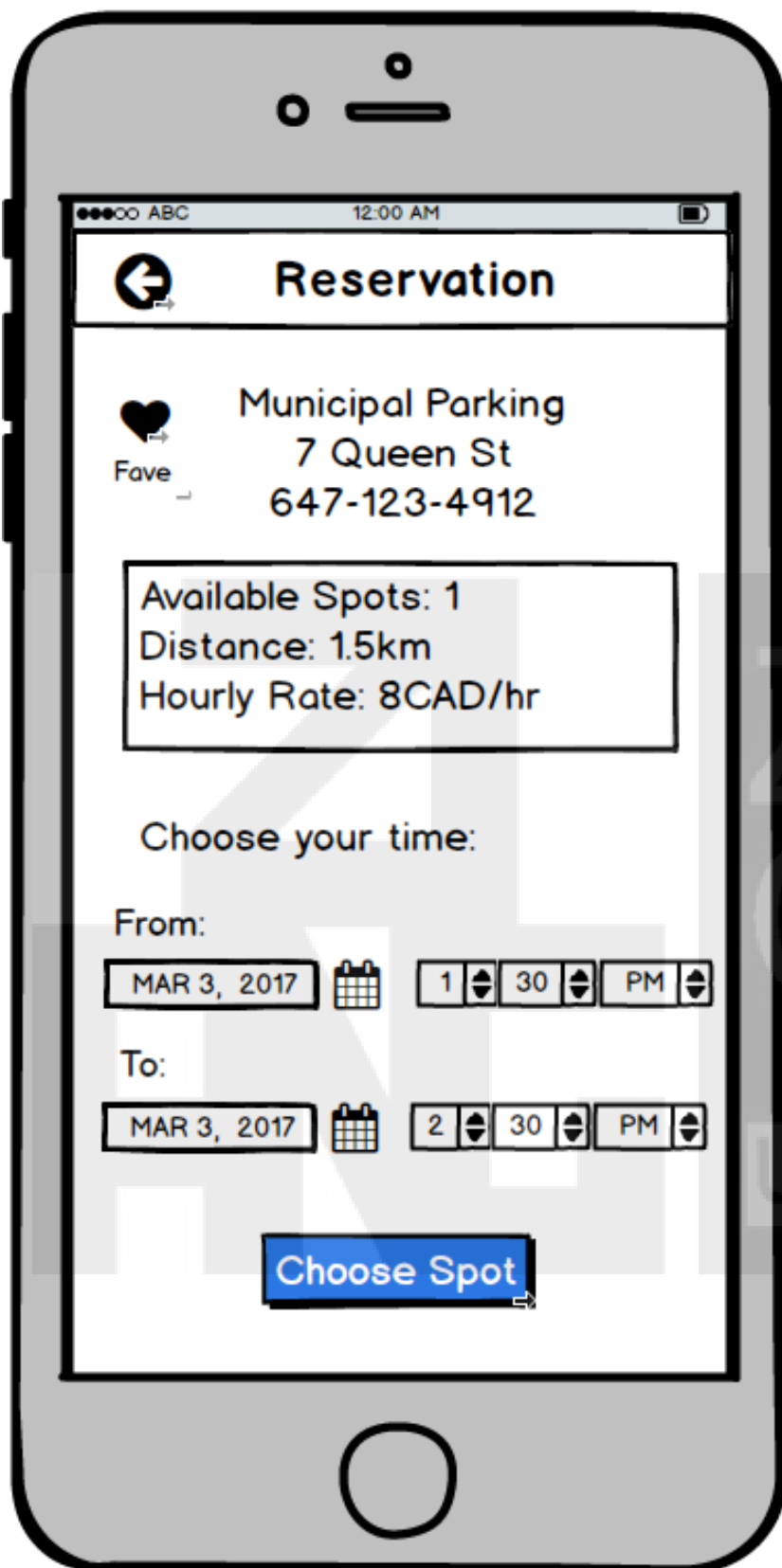
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Navigation pre-start page
navigation to the location user select,
indication of the approximate time and
distance

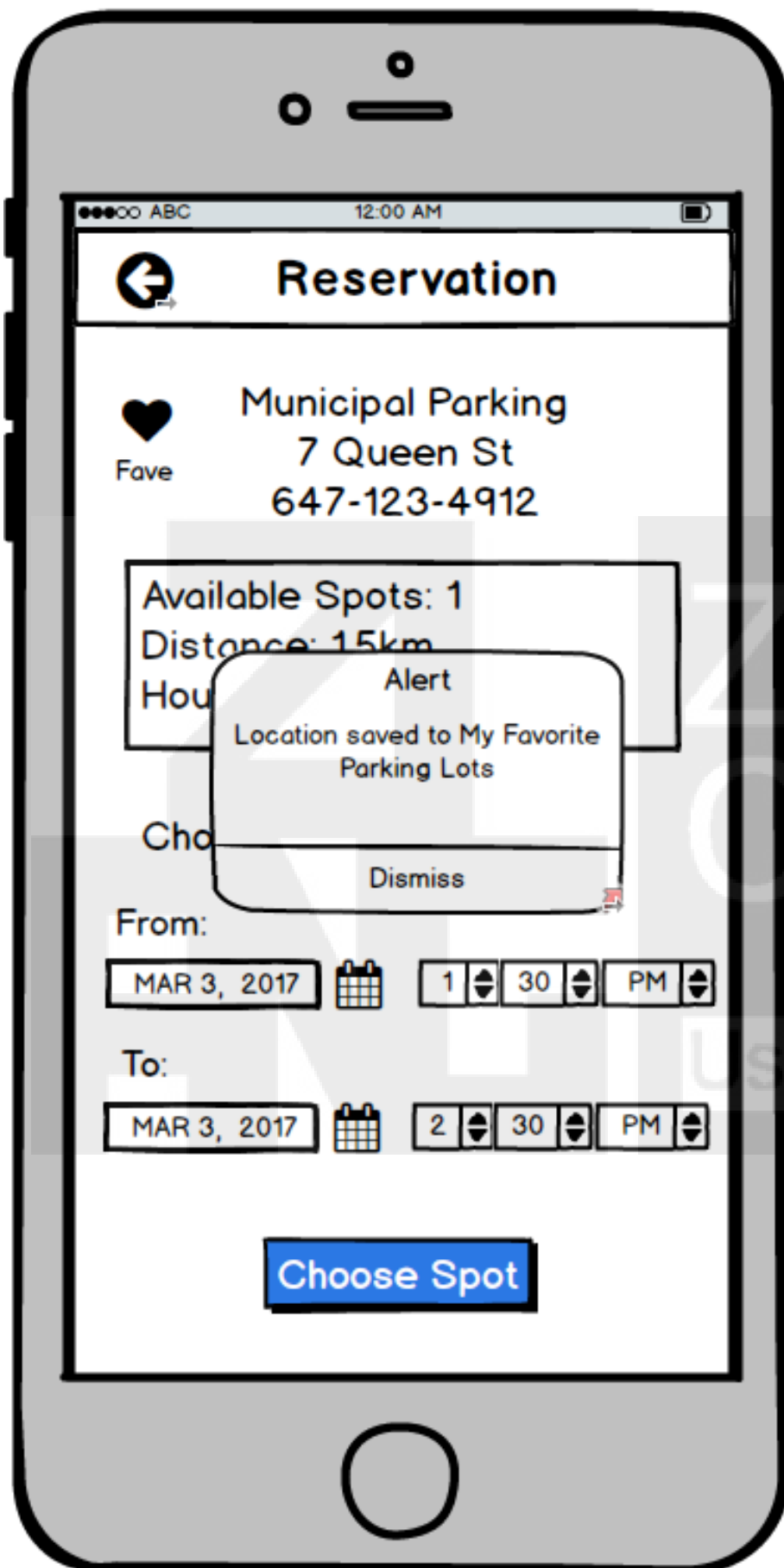
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click on "back" icon to go back

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User Experience

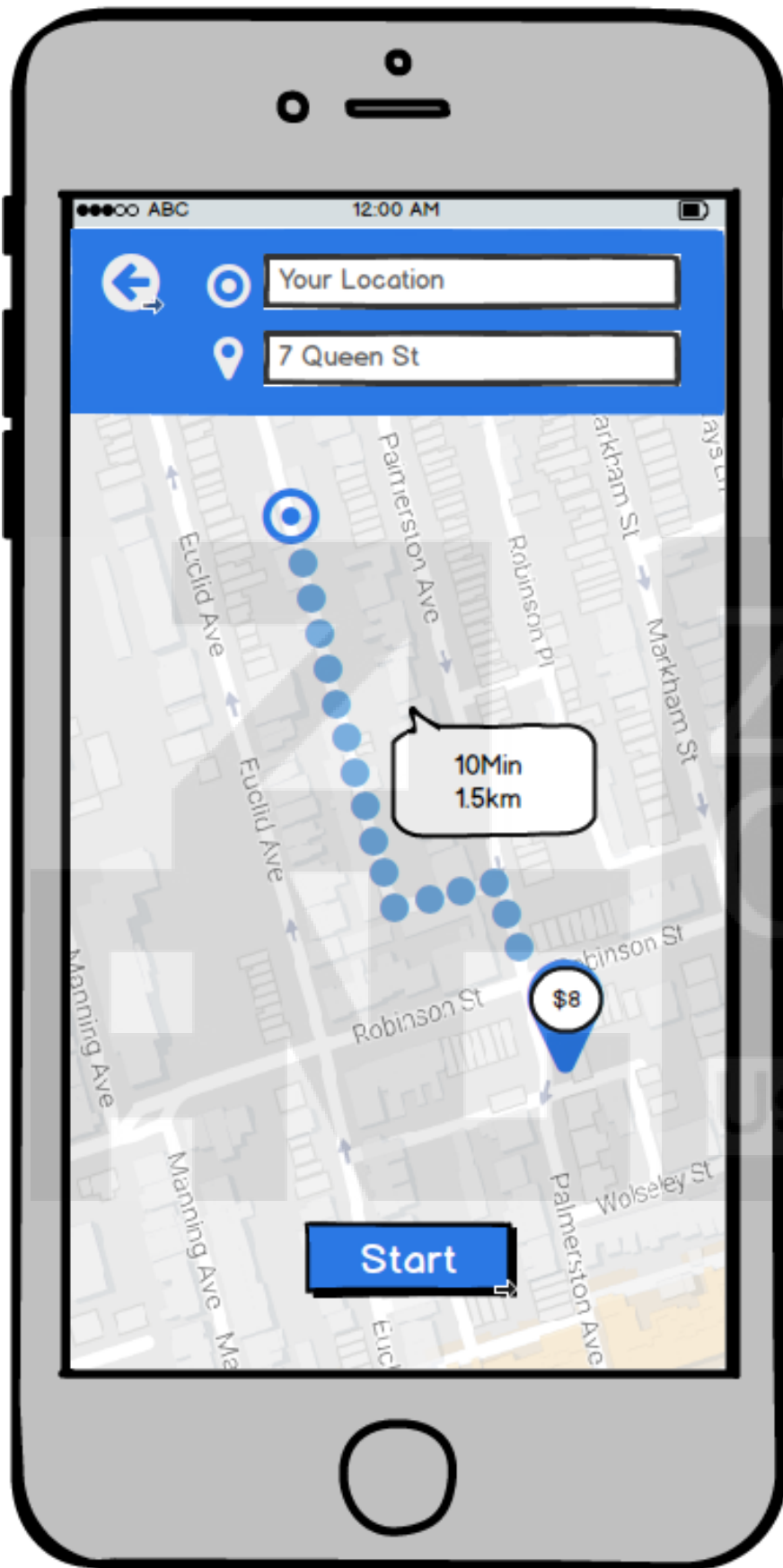


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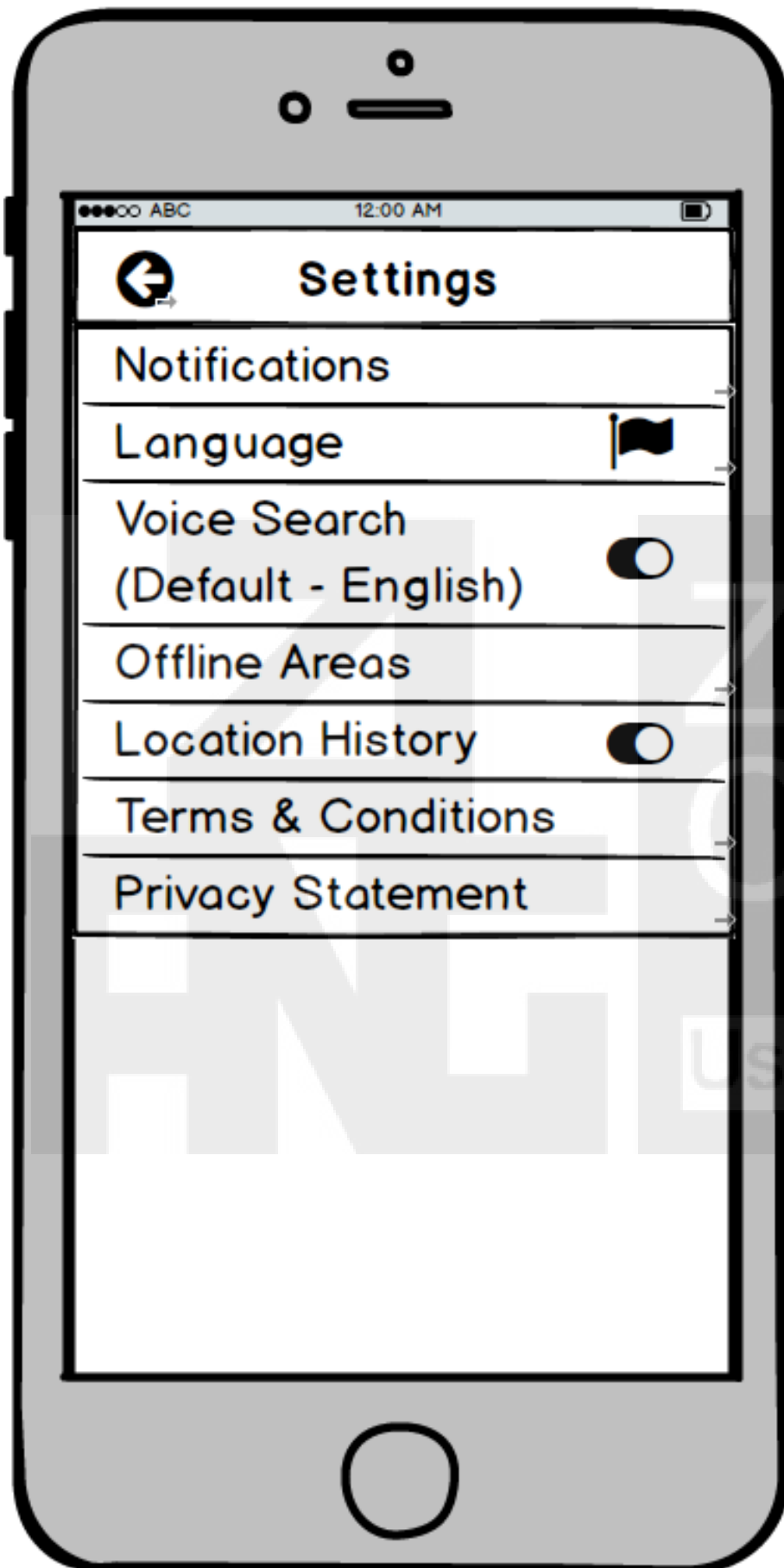
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User Experience

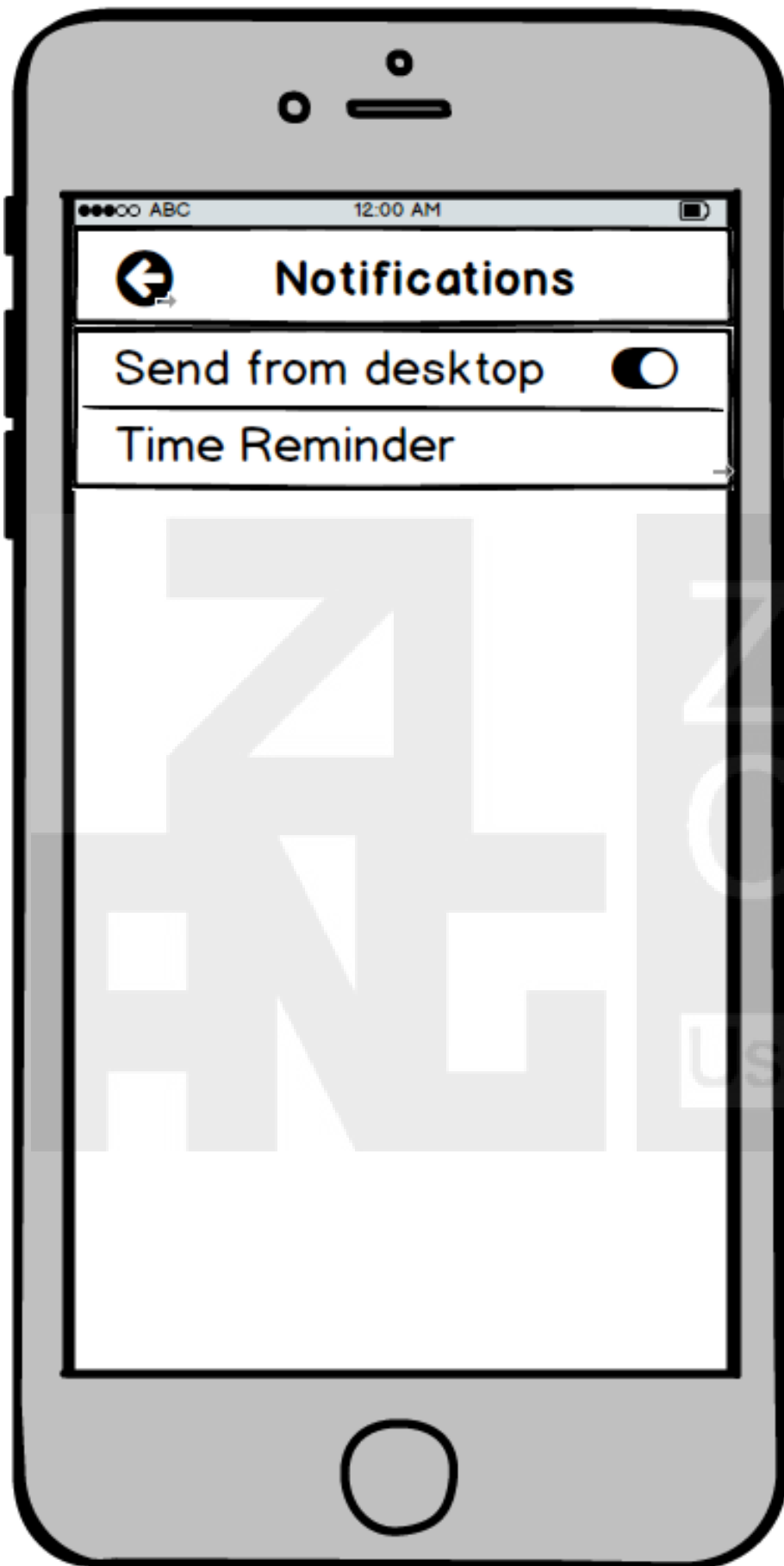


Settings Page

users can change "Notifications", "Language", Voice Search" (toggle on/off), "Offline Areas", "Location History" (toggle on/off)

users can check Terms & Conditions and Privacy Statement

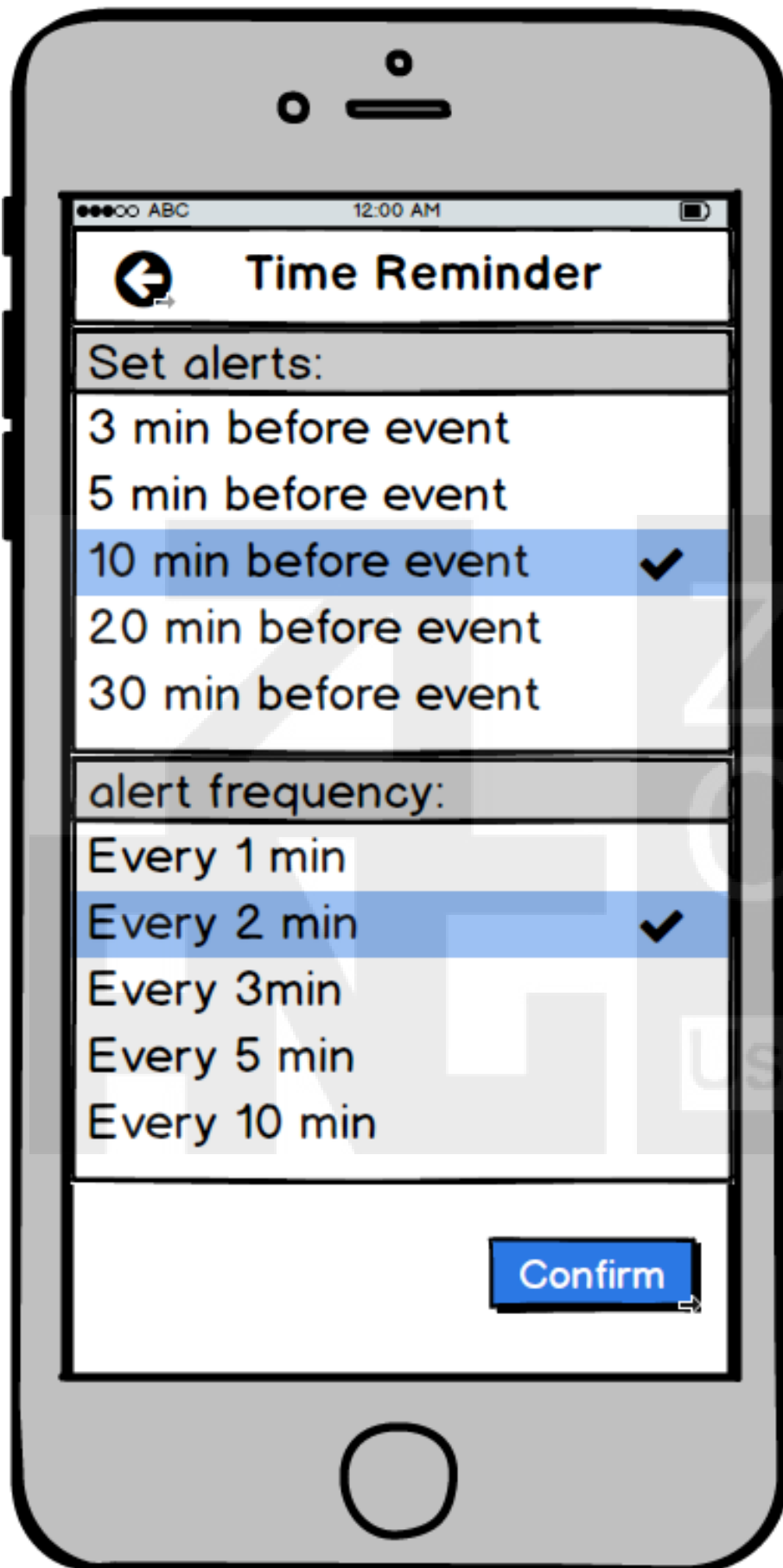
User Experience



Notifications page
users can toggle on/off
notifications sent from desktop
users can modify Time Reminder
settings

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User Experience



Time Reminder Settings
users can set how far in advance
they want to receive an alert
when the reservation is about to
expire
users can also set the frequency
of alerts

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User Experience



Language Page
users can change the language
they want to use
once confirmed, the language will
automatically be changed (not
available for demo in prototype)

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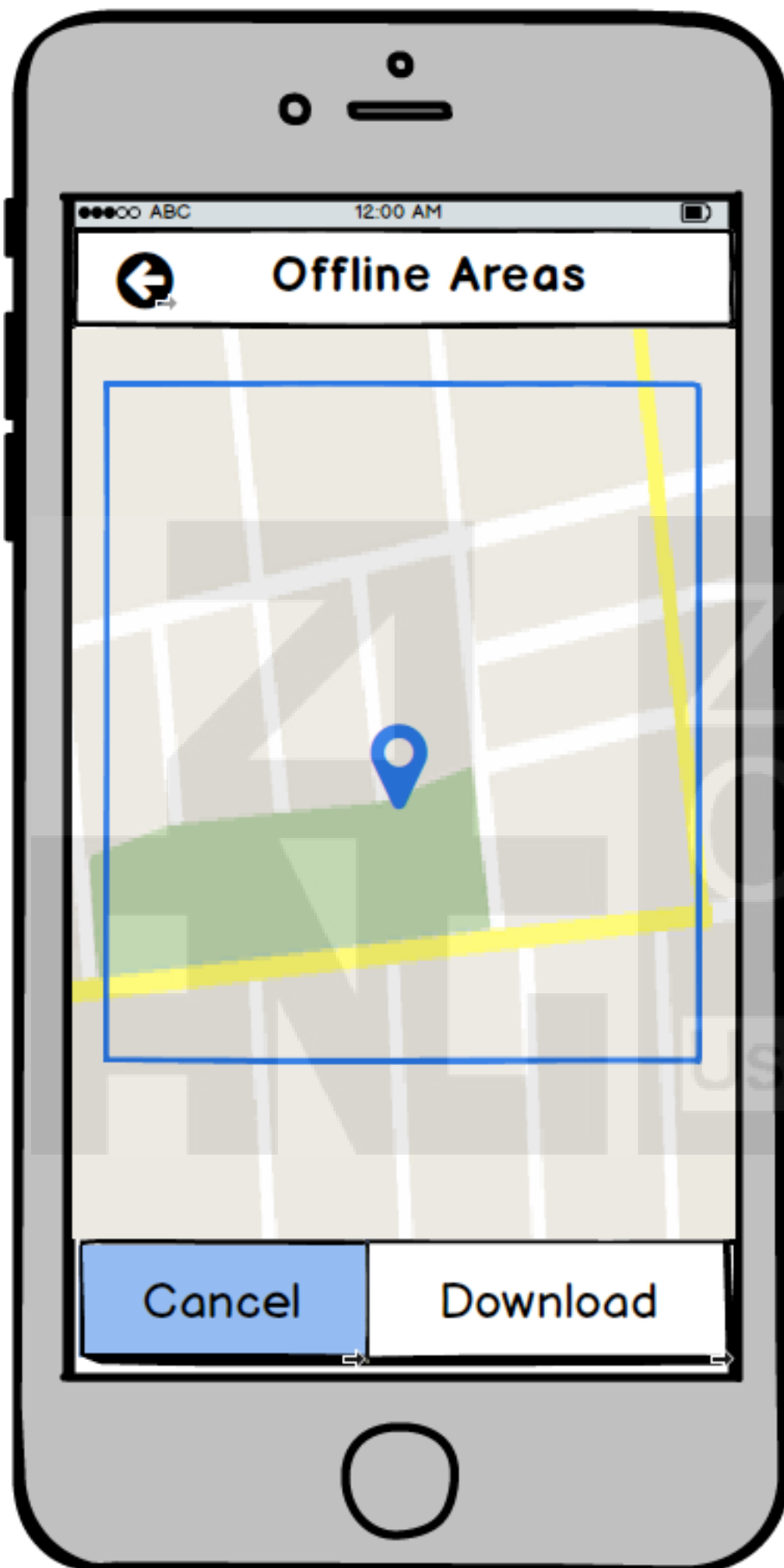
User Experience



Offline Areas
users can review the offline map
areas saved
users can also download a new
custom area

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User Experience

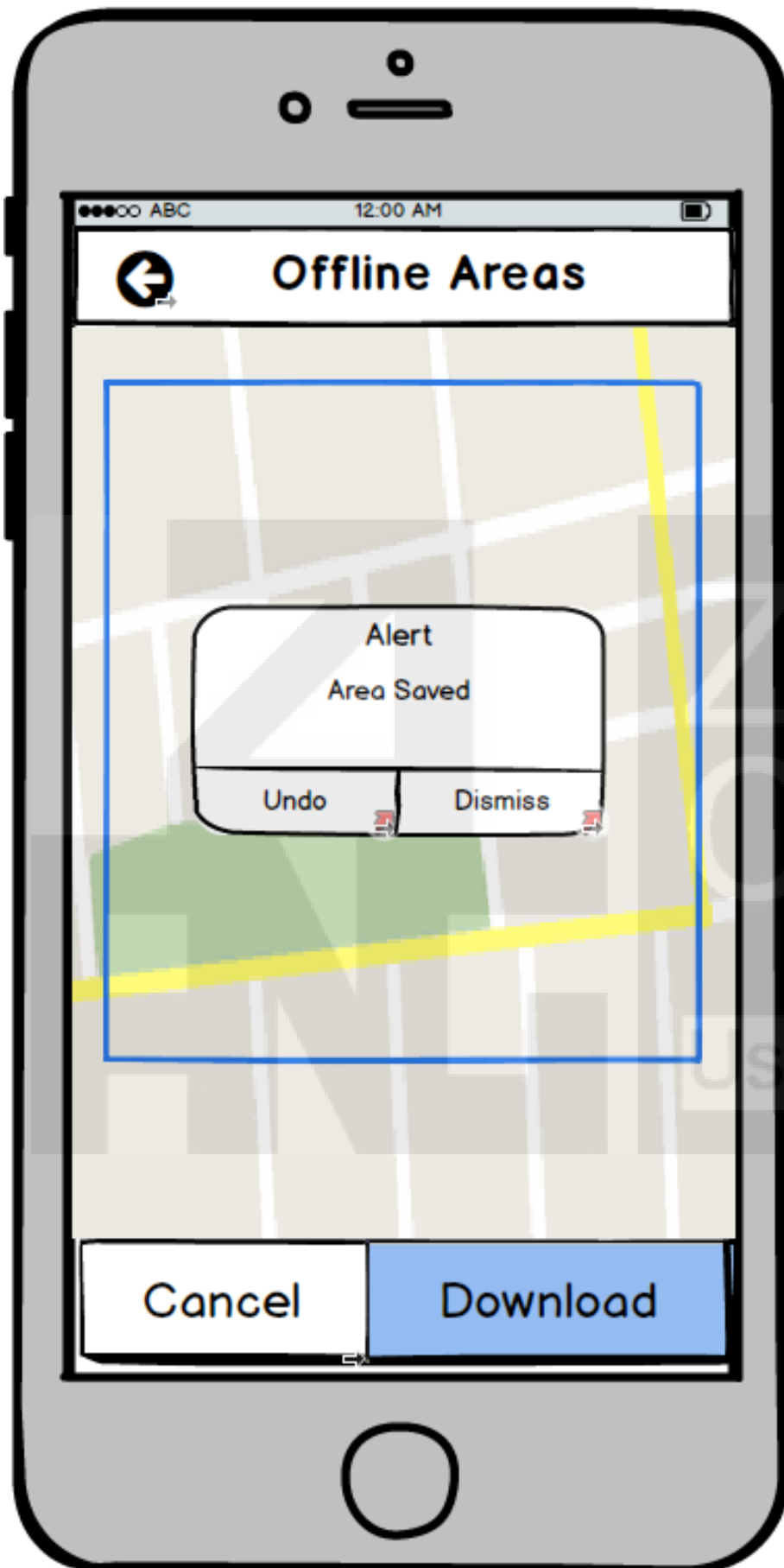


Offline Areas

-when users choose to download a new custom area, they will be shown a map based on their current location. they can shift the map around

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User Experience

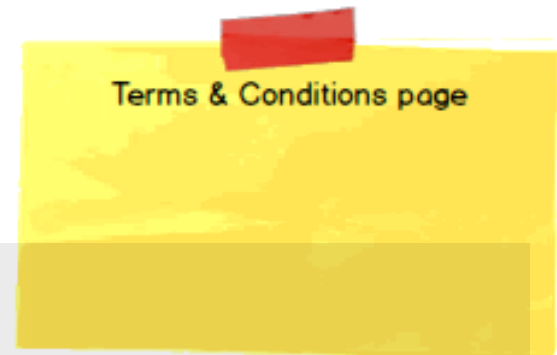
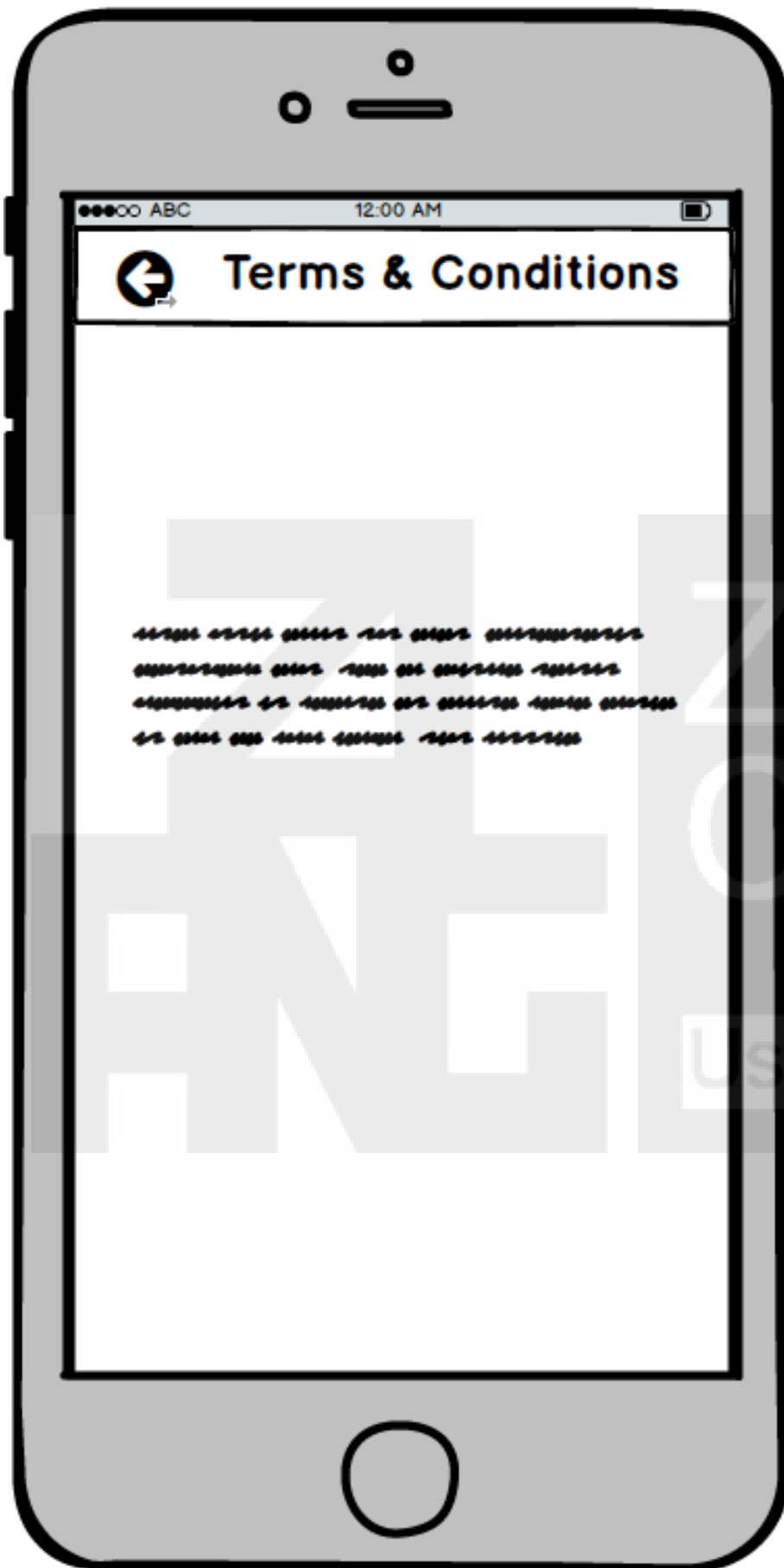


Offline Areas

after users choose to download the area, an alert will notify them that it has been saved
users can choose to undo or dismiss the alert

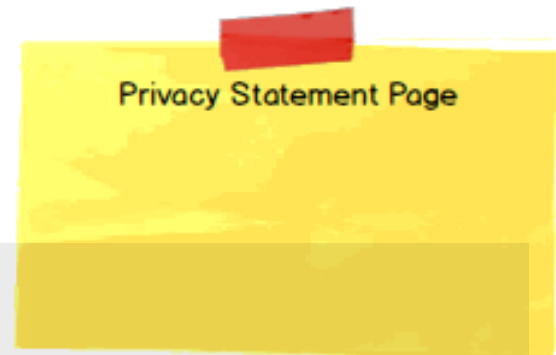
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chen

User Experience



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User Experience



User Experience

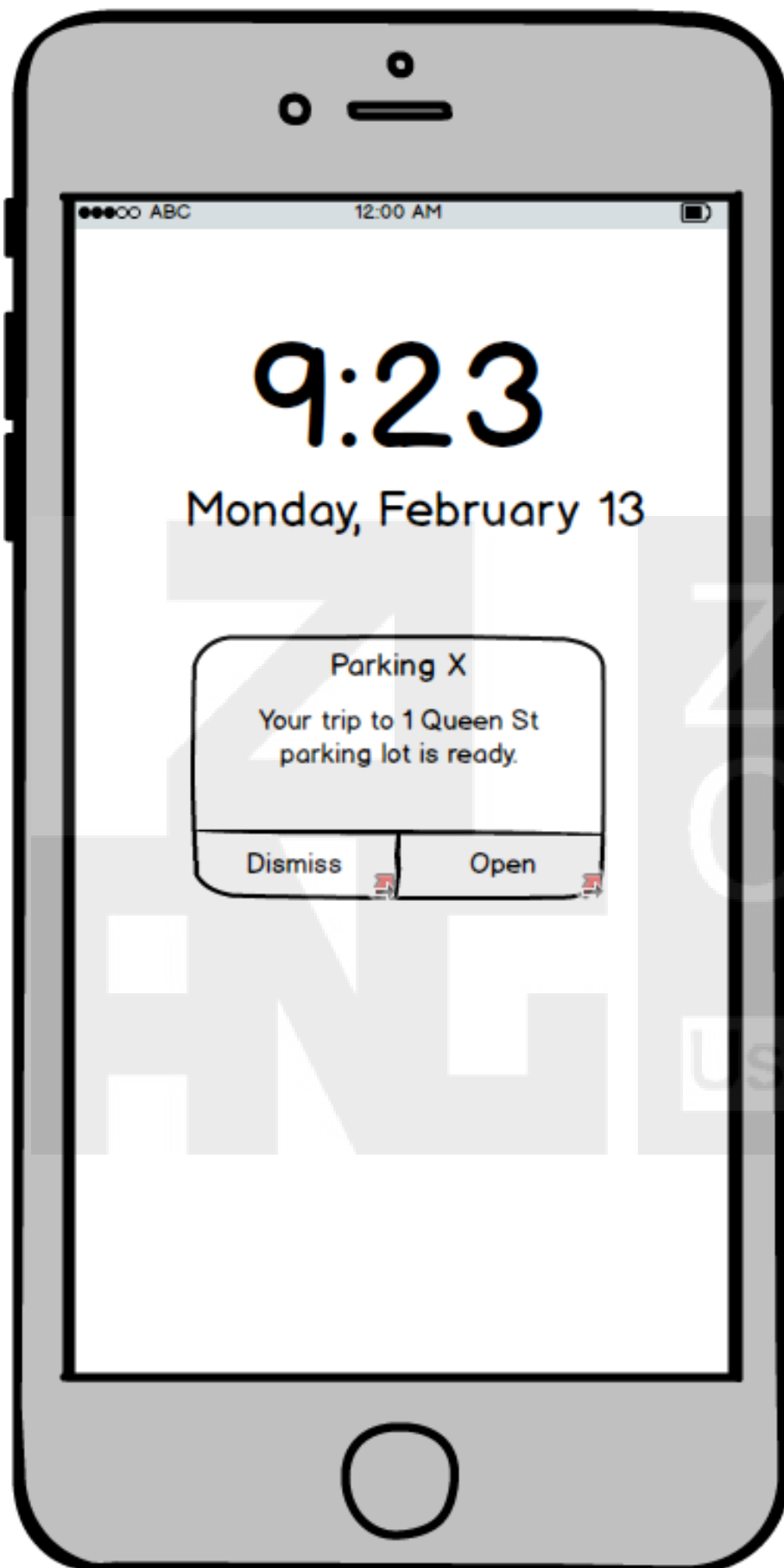


Help Page

users can read frequently asked questions
contact information (email, phone, facebook, twitter) is displayed at the bottom

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User Experience



(STANDALONE PAGE)

This is the phone lock screen when the user receives a notification that navigation instructions have been sent from the desktop -clicking "Open" will open the navigation instructions in the app immediately

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User Experience