

# LeapFrog Platform

CSC402 LeapFrog Dev Team

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# Climbing Rams

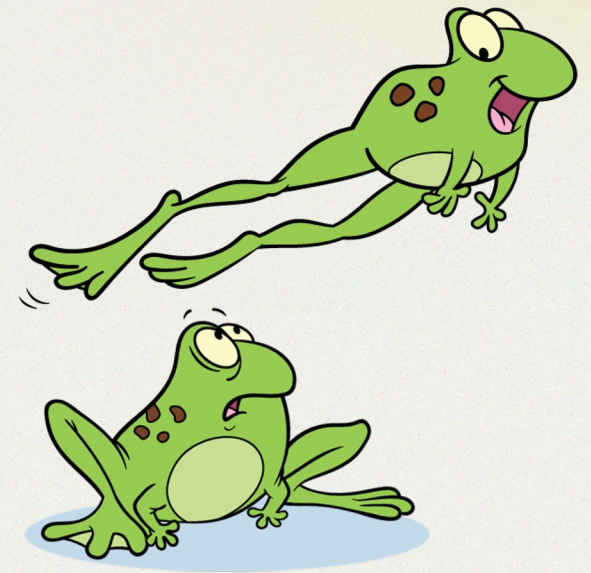
- Dr. Marc Duey's class
  - Offers to fund and mentor student entrepreneurship
  - Students have the opportunity to run a business





# What is the LeepFrog Platform?

- A Customer Relationship Management (CRM) platform to guide students through starting their own business
- Booking & scheduling platform for services
- Financial Management for students
- Professor oversight of student's success





# Project Break Down

Deployment Component	Completed
Services Component	Completed
Scheduling Component	Completed
Customer Portal Component	Completed
Service Cases Component	Partially Completed
Customer Relationship Management Component	Partially Completed
Professor Component	
Payment Component	Completed
Employee Workday Component	
Messaging Component	
Reporting and Dashboard Component	
Site Administrator Component	
Performance and Contribution Component	

Completed

# MVP

— which is —

# 1/2

of the  
Full LeepFrog Platform







# LeepFrog Platform

# **Minimum Viable Product**





## Book a service Climbing Rams / Landscaping

Select Service \*

Gardening

Price: \$55

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris tellus turpis, dignissim a sapien at, sollicitudin euismod arcu. Ut molestie nulla ut porta accumsan. In iaculis pellentesque orci, non placerat leo aliquet nec. Donec urna risus, iaculis vel molestie vitae, tristique nec mauris. Etiam pulvinar felis eu commodo sagittis.

Select Date \*

Friday, April 18

Select Time Slot \*

9:00 am - 10:00 am	2 spots left
10:00 am - 11:00 am	0 spots left
11:00 am - 12:00 pm	3 spots left
12:00 pm - 1:00 pm	1 spot left
1:00 pm - 2:00 pm	2 spots left
2:00 pm - 3:00 pm	0 spots left
3:00 pm - 4:00 pm	4 spots left



Next

Reset



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# Booking Form

- **Customizable** booking form for every business.
- Connected to the **scheduling** system and **payment** system.





## Book a service Climbing Rams / Landscaping

Select Service \*

Lawnmowing

Price: \$40

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris tellus turpis, dignissim a sapien at, sollicitudin euismod arcu. Ut molestie nulla ut porta accumsan. In iaculis pellentesque orci, non placerat leo aliquet nec. Donec urna risus, iaculis vel molestie vitae, tristique nec mauris. Etiam pulvinar felis eu commodo sagittis.

Select Date \*

Friday, April 18

Select Time Slot \*

9:00 am - 10:00 am

4 spots left

10:00 am - 11:00 am

4 spots left



## Book a service Climbing Rams / Landscaping

**Booking Gardening on Friday,  
April 18 at 12:00 pm - 1:00 pm**

You will not be charged until after the  
service is complete.

Card number

1234 1234 1234 1234



Expiration date

MM / YY

Security code

CVC



Country

United States

ZIP code

12345

Previous



Submit

Reset

# Mobile Friendly

- Fully functional on phones and tablets.
- Has adaptive UI layout to work on **all devices**.



City/Town \*

State \*

Country \*

Postal Code \*

Notes

Normal | --- | B | I | U | | | | " | </> | | |

| | | Table

+ Add Images

Previous

Reset

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# Notes

- Customers are able to add **notes** and **images** to their booking.





**Book a service**  
Climbing Rams / Landscaping

Booking Gardening on Friday, April 18 at 12:00 pm - 1:00 pm

### Register

Email \*

Full Name \*

Nickname

Password \*

Register

Already have an account? [Login](#)

[Previous](#)



[Next](#)

[Reset](#)



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# Customer Accounts

- Customer are required to create an account.
- The customer account can later be used to login to the customer portal and manage the booking.





**Book a service**  
Climbing Rams / Landscaping

**Booking Gardening on Friday, April 18 at 12:00 pm - 1:00 pm**

You will not be charged until after the service is complete.

Card number

1234 1234 1234 1234



Expiration date

MM / YY

Security code

CVC



Country

United States



ZIP code

12345

Previous



Submit

Reset



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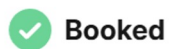
# Payment Details

- Payment details are gathered to verify customers.
- Customers are not charged until after the service is completed.





**Book a service**  
Climbing Rams / Landscaping



**Booked**

**You have booked Gardening on Friday, April 18 at 12:00 pm - 1:00 pm.**

To view or update your booking go to the...

**Customer Portal**



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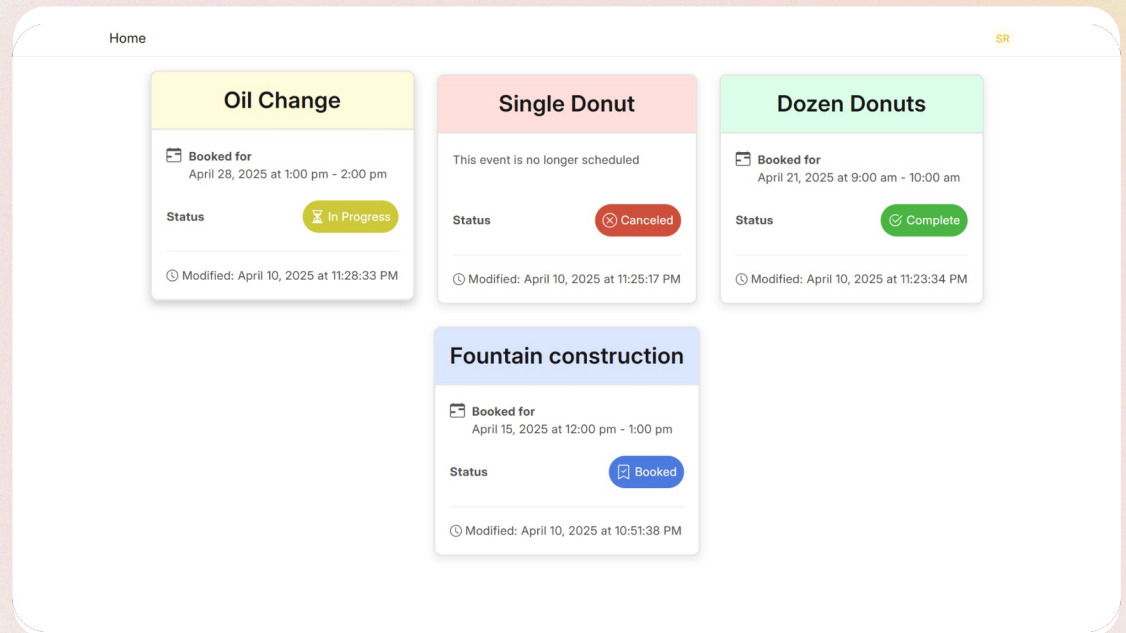
# Booked!





# Customer Portal

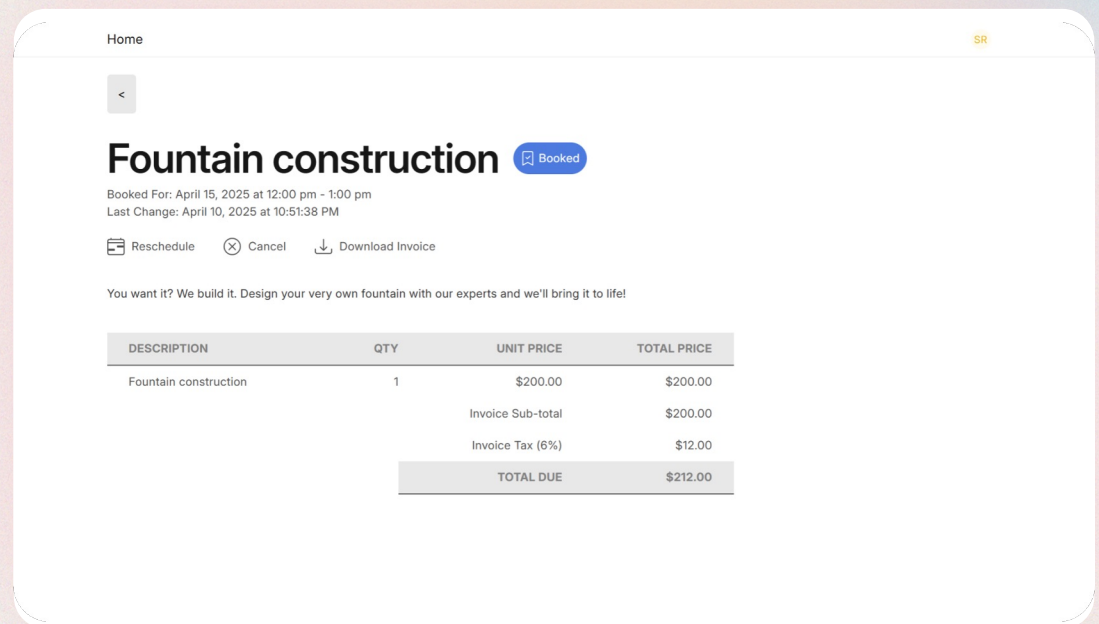
- Each booking is displayed as a tile on the screen
- Tiles can be clicked to view more information and perform actions





# Service Page

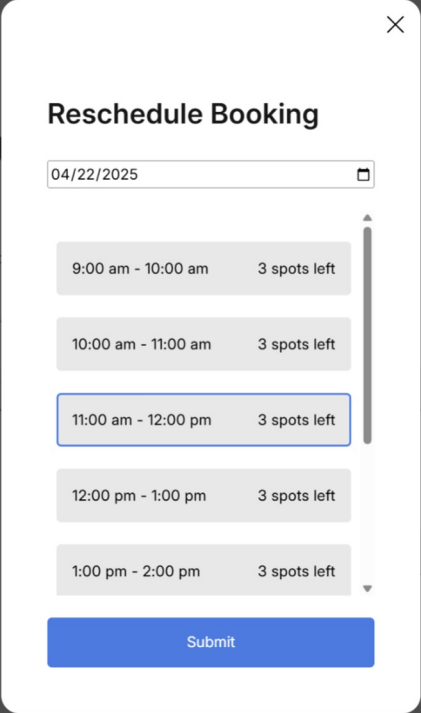
- Shows additional information like the invoice and description
- Users have buttons to reschedule, cancel, download the invoice, and make a payment





# Rescheduling

- Displays all time slots for the given date
- Users can select which slot to reschedule to



A screenshot of a 'Reschedule Booking' modal. The modal is white with a dark gray background. It features a title 'Reschedule Booking' at the top, a date input field showing '04/22/2025', and a list of five time slots. Each slot is represented by a gray box containing the time range and the number of spots left. The '11:00 am - 12:00 pm' slot is highlighted with a blue border. A blue 'Submit' button is at the bottom.

Time Slot	Spots Left
9:00 am - 10:00 am	3 spots left
10:00 am - 11:00 am	3 spots left
11:00 am - 12:00 pm	3 spots left
12:00 pm - 1:00 pm	3 spots left
1:00 pm - 2:00 pm	3 spots left



# Feedback

- Customers are prompted to leave feedback after a service is marked as completed/canceled

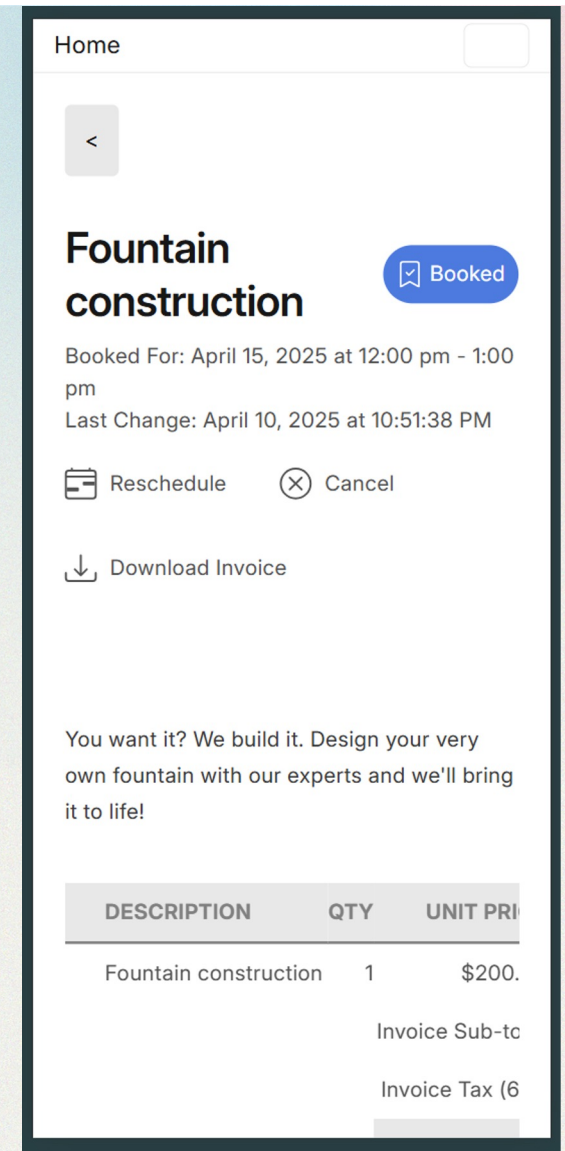
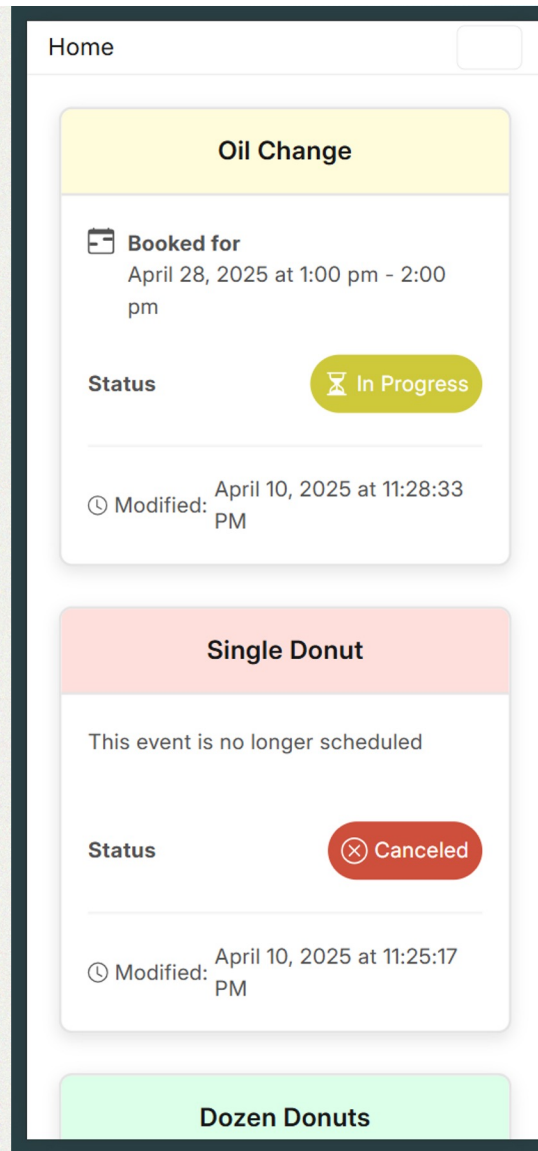
The image shows a feedback form overlay on a service booking interface. The background interface has three tabs labeled "Lawnmowing". Below the tabs, there is a booking card with the following details: "Booked for April 21, 2024", "Status", and "Modified: April 21, 2024". A red button labeled "Canceled" is visible on the right side of the booking card. The feedback form overlay is white and contains the following elements:

- How did we do?**
- Your opinion helps us provide better service. How would you rate your experience with the Lawnmowing?
- ★★★★☆
- Great work!
- Cancel Submit



# On Mobile

- All elements adapt to the screen size
- Intuitive UI interaction on all devices





# Service Cases

## Connections ^

1 LF Booking +

LF Feedback +

1 LF

**View Booking** Booked for Friday, April 18 at 9:00 am - 10:00 am **View Timeslot**

Service \*

Gardening

Customer \*

Miriam Daniel

Status

Open

Notes

Normal --- B I U S Lx A [Image Icon] " </> [List Icon] [List Icon] [List Icon]

Email: [test@gg.com](mailto:test@gg.com)

Phone Number: 584-596-2245

**Customer Notes:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris tellus turpis, dignissim a sapien at, nulla ut porta accumsan. In iaculis pellentesque orci, non placerat leo aliquet nec. Donec urna risus, iaculis vel molestie vitae, tristique nec mauris. Etiam pulvinar felis eu commodo sagittis.

## LF Service Case

List View

Filter By

Assigned To

Created By

Edit Filters

Tags

Show Tags

Save Filter

Filter Name

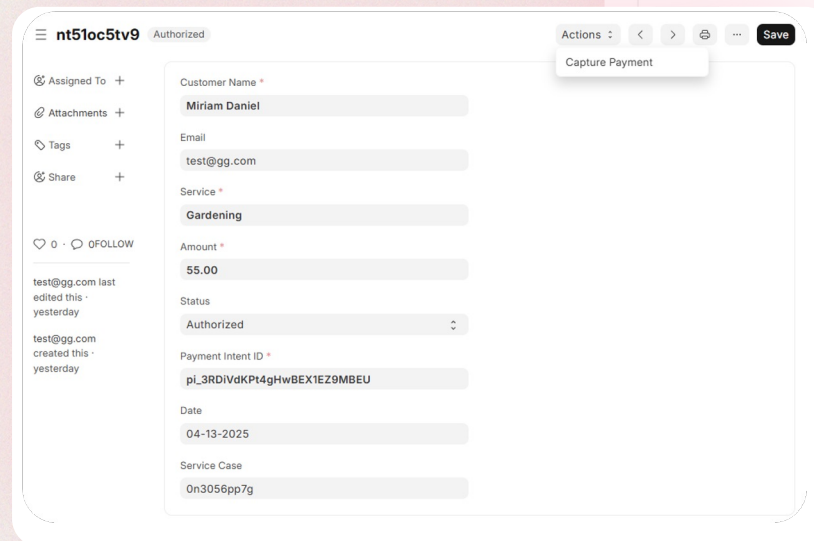
ID

ID	Status	Service	Customer
<input type="checkbox"/> 32o0pnd15u	Open	Landscaping	Miriam Daniel
<input type="checkbox"/> 4fh7sroap4	Open	Gardening	Chelsea Freeman
<input type="checkbox"/> 5ol554d72k	Open	Gardening	Jacqueline Twitty
<input type="checkbox"/> ab6il1f7o06	Open	Landscaping	Katherine Weber
<input type="checkbox"/> gfd5kdpk6r	Open	Gardening	Ferdinand Mallin
<input type="checkbox"/> su19k3m85k	Open	Gardening	Derek Webster
<input type="checkbox"/> 0n3056pp7g	Closed - Successfu...	Gardening	Madge Matthews
<input type="checkbox"/> plvbo0Infl	Closed - Successfu...	Landscaping	Miriam Daniel
<input type="checkbox"/> t5fvma41vp	Closed - Successfu...	Gardening	Harley Warren

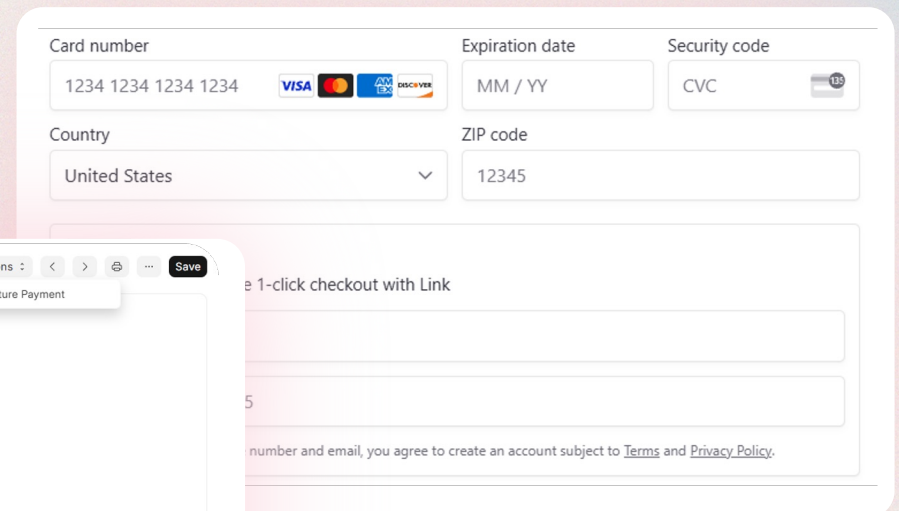


# Stripe Integration

When a new service is created on LeepFrog, it creates a new item on stripe with a "Price ID" that is stored in Frappe



The screenshot shows the Stripe Payment Intent creation interface in Frappe. The interface is divided into two main sections: a left sidebar with navigation options and a main form area. The sidebar includes options like 'Assigned To', 'Attachments', 'Tags', 'Share', and a list of recent items. The main form area contains fields for 'Customer Name' (Miriam Daniel), 'Email' (test@gg.com), 'Service' (Gardening), 'Amount' (55.00), 'Status' (Authorized), 'Payment Intent ID' (pi\_3RDIVdKPl4gHwBEX1EZ9MBEU), 'Date' (04-13-2025), and 'Service Case' (0n3056pp7g). A 'Capture Payment' button is visible at the top right of the form.

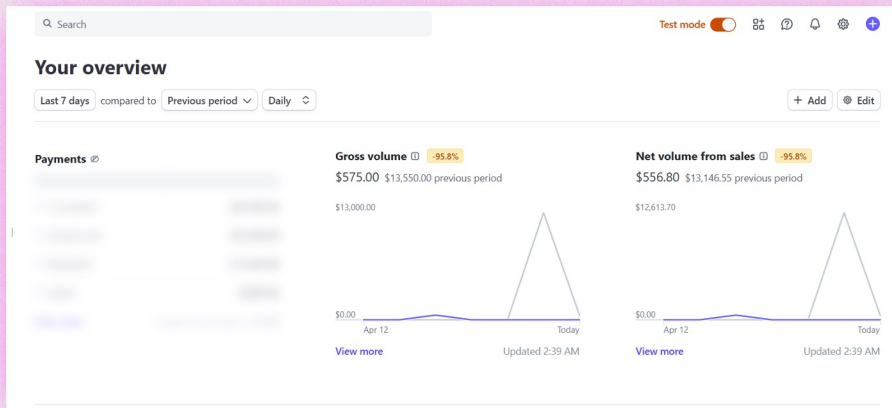


The screenshot shows the Stripe Checkout form. It includes fields for 'Card number' (1234 1234 1234 1234), 'Expiration date' (MM / YY), 'Security code' (CVC), 'Country' (United States), and 'ZIP code' (12345). Below these fields, there is a section for '1-click checkout with Link' and a checkbox for 'I agree to create an account subject to Terms and Privacy Policy'.

Generates a "Payment Intent ID" and can be collected at any time by the employee or owners.



# Stripe Integration 2



LF Payment System Settings

Stripe API Key (Private)

\*\*\*\*\*

Stripe Publishable Key (Public)

\*\*\*\*\*

Save

Search

Test mode

All 180 Succeeded 43 Refunded 0 Disputed 0 Failed 0 Uncaptured 29

Date and time Amount Currency Status Succeeded Payment method More filters Clear filters Export Edit columns

Amount	Payment method	Description	Customer	Date	Refunded date
\$115.00 USD Succeeded	visa 4242	pi_3RD1HJKP14gHwBEX0ACD14qb		Apr 14, 4:22 AM	—
\$115.00 USD Succeeded	visa 4242	pi_3RDh0ZKP14gHwBEX0pBT1C6J		Apr 14, 3:00 AM	—
\$115.00 USD Succeeded	visa 4242	pi_3RDgwHKP14gHwBEX0TqFuhWv		Apr 14, 2:56 AM	—
\$115.00 USD Succeeded	visa 4242	pi_3RDgk1KP14gHwBEX06RNH6Q		Apr 14, 2:43 AM	—
\$115.00 USD Succeeded	visa 4242	pi_3RDgZ1KP14gHwBEX0QAPwOAm	test1234@gg.gg	Apr 14, 2:32 AM	—
\$100.00 USD Succeeded	visa 4242	pi_3RCmB0KP14gHwBEX12zXhuZe	gavin@gamil.com	Apr 11, 2:20 PM	—
\$100.00 USD Succeeded	visa 4242	pi_3RCa1VKP14gHwBEX1yFUlqeH	rockingwiththedarklord@pge.com	Apr 11, 1:21 AM	—
\$100.00 USD Succeeded	visa 4242	pi_3RCZxrkP14gHwBEX1FTLfIg	Angela@angela.com	Apr 11, 1:17 AM	—
\$250.00 USD Succeeded	visa 4242	pi_3RCZ1RKP14gHwBEX01j3cHnC	Angela@angela.com	Apr 11, 1:04 AM	—
\$150.00 USD Succeeded	visa 4242	pi_3RCY7hKP14gHwBEX0NcdpTU	Angela@angela.com	Apr 10, 11:19 PM	—



# Franchisee Businesses

## Connections ^

8 LF Service Case +

Title \*

Gardening

Description

Normal --- B I U S Ix A [Image Icon] " </> ¶

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris tellus turpis, dignissim accumsan. In iaculis pellentesque orci, non placerat leo aliquet nec. Donec urna risus, commodo sagittis.

Price \*

55.00

Franchisee Business \*

Landscaping

Employees Required

1

## Landscaping

See Booking Form

Assigned To +

Attachments +

demo\_logo.jpg x

commercial-and- x

Tags +

Share +

0 0 FOLLOW

You last edited this · 4 days ago

You created this · 4 days ago

## Connections ^

1 LF Ram +

4 LF Lamb +

3 LF Service +

Title \*

Landscaping

Logo

/files/demo\_logo.jpg Clear

Backdrop Image

/files/commercial-and-residential-lawn-maintenance-in-l... Clear

Address

Franchisor Business \*

Climbing Rams

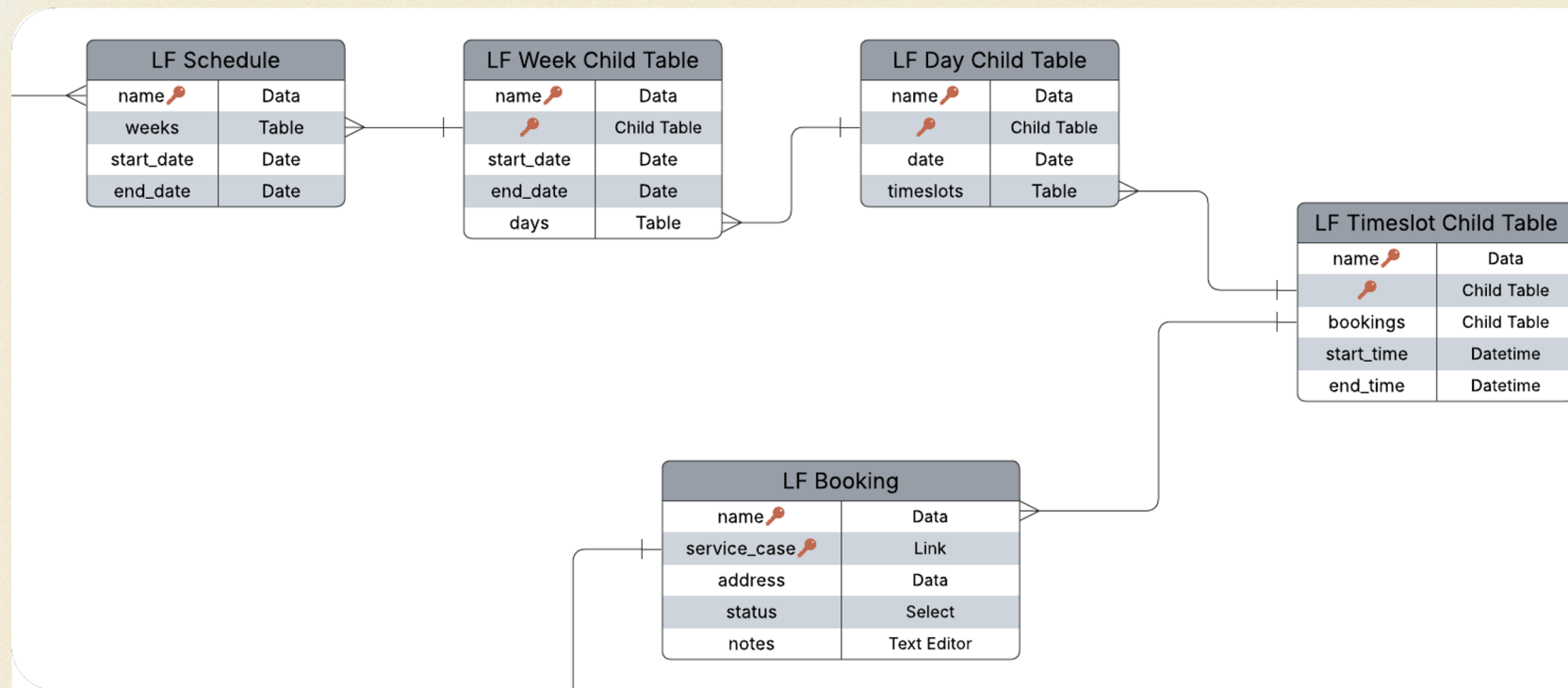
Availability

SCHED-2025-00001



# Scheduling

- Franchisees have a schedule doctype
  - Weeks, days, and timeslots as children
  - Timeslots have links to bookings





# Multiple Bookings per Time Slot

- Each timeslot needs to accommodate multiple bookings at once

Start time  
17:00:00

End time  
18:00:00

Bookings

<input type="checkbox"/>	No.	Booking
No Data		

← No bookings

Two bookings →

Start time  
17:00:00

End time  
18:00:00

Bookings

<input type="checkbox"/>	No.	Booking
<input type="checkbox"/>	1	jicv67lo9r
<input type="checkbox"/>	2	ljmaqrqq4j

Add Row



# Resource Consideration

- Availability has to avoid overbooking
  - Needs to account for how booked a slot already is

Slots remaining (per timeslot)

total\_employees -  $\sum$  employees\_required from bookings in child table

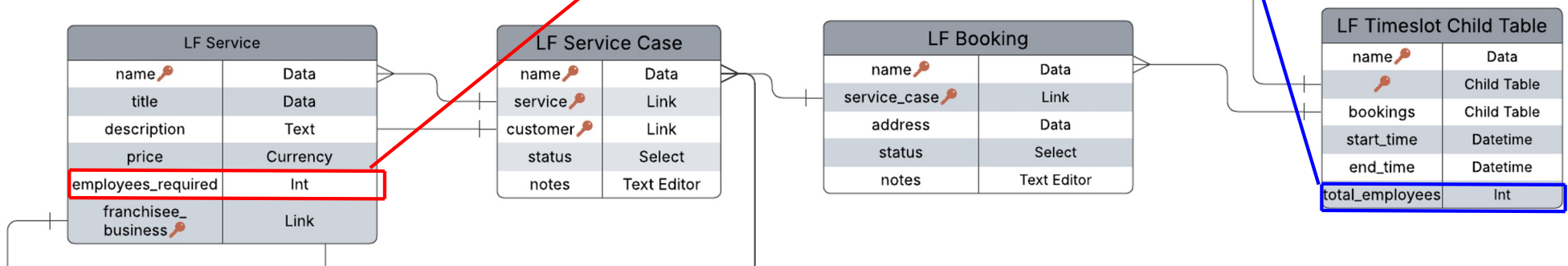
Select Time Slot \*

9:00 am - 10:00 am	2 spots left
10:00 am - 11:00 am	0 spots left
11:00 am - 12:00 pm	3 spots left
12:00 pm - 1:00 pm	1 spot left
1:00 pm - 2:00 pm	2 spots left
2:00 pm - 3:00 pm	0 spots left
3:00 pm - 4:00 pm	4 spots left

Next

employees_required	Int
--------------------	-----

total_employees	Int
-----------------	-----



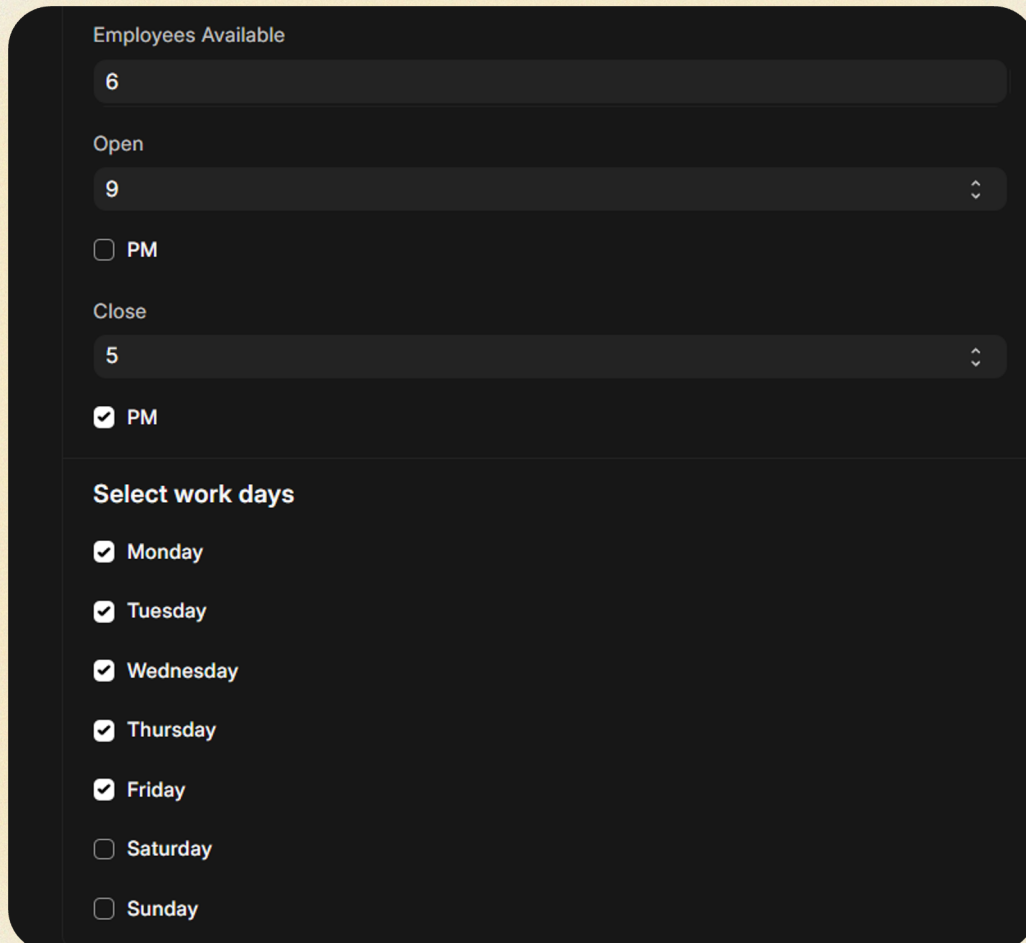


## **Schedules : Employee-side**

- Franchisee owners will create a Schedule doctype for their business
- Needs to have:
  - Day/Time parameters
  - Extendability
  - Cascading creation/deletion



# Day/Time Parameters



The screenshot shows a dark-themed interface for setting scheduling parameters. It is divided into two main sections. The top section, titled 'Employees Available', contains three input fields: 'Employees Available' with the value '6', 'Open' with the value '9', and 'Close' with the value '5'. Each field has a small up/down arrow icon on its right. Below the 'Open' and 'Close' fields are checkboxes for 'PM'; the 'Open' checkbox is unchecked, while the 'Close' checkbox is checked. The bottom section, titled 'Select work days', contains a list of days of the week, each with a checkbox: Monday, Tuesday, Wednesday, Thursday, and Friday are all checked, while Saturday and Sunday are unchecked.

Employees Available

6

Open

9

☐ PM

Close

5

☒ PM

Select work days

☒ Monday

☒ Tuesday

☒ Wednesday

☒ Thursday

☒ Friday

☐ Saturday

☐ Sunday

When making a schedule, owners can set the parameters that will determine the default values for :

- Days added
- Timeslots added
- Employees available



# Extending Schedules

- Schedules are made once and extended as needed
  - The Day/Time parameters are used to add all of the desired Day and Timeslot doctypes

Extend Schedule

Delete Selected Weeks

LF Scheduling > LF Schedule > SCHED-2025-00001

Search or type a command (Ctrl + G) | Help

**Test Schedule**

Assigned To +

Attachments +

Tags +

Share +

0 · 0 FOLLOW

You last edited this · 5 minutes ago

You created this · 1 week ago

**Timing**

Title

Test Schedule

Weeks

<input type="checkbox"/>	No.	Display name	Selected	
<input type="checkbox"/>	1	May 01 - May 07	<input type="checkbox"/>	
<input type="checkbox"/>	2	May 08 - May 09	<input type="checkbox"/>	

**Add Row**

Employees Available

5

Open

8

☐ PM

Close

5

☒ PM

Select work days



# Extending Schedules

Test Schedule

Extend Schedule

Cannot add duplicate week: 2025-05-01 to 2025-05-07 to schedule

↑  
**Does not allow duplicates**

Extend Schedule

Dates \*

☒ Monday ☒ Tuesday ☒ Wednesday ☐ Thursday ☐ Friday

☐ Saturday ☐ Sunday

Open Time

8 am

pm

Close Time

5 am

pm

Employees Available \*

5

Extend

Can leave days/times blank to use the default values or add selections to override defaults

- Defaults will remain unchanged



# Deleting from Schedules

LF Scheduling > LF Schedule > SCHED-2025-00001

Search or type a command (Ctrl + G) | Help

### Test Schedule

Extend Schedule **Delete Selected Weeks** < > ⚙️ ... Save

Assigned To +  
Attachments +  
Tags +  
Share +

0 · 0 FOLLOW

You last edited this · 5 minutes ago  
You created this · 1 week ago

#### Timing

Title  
Test Schedule

Weeks

<input type="checkbox"/>	No.	Display name
<input type="checkbox"/>	1	May 01 - May 07
<input type="checkbox"/>	2	May 08 - May 09

**Add Row**

Employees Available  
5

Open  
8

☐ PM

Close  
5

☒ PM

Select work days

Delete Selected Weeks

Selected		⚙️
<input checked="" type="checkbox"/>		✎
<input checked="" type="checkbox"/>		✎

## Message

Week WEEK-2025-00023 and associated days and timeslots have been deleted.

Week WEEK-2025-00024 and associated days and timeslots have been deleted.



Timing

Title

Test Schedule

Weeks

<input type="checkbox"/>	No.	Display name	Selected	Week	
<input type="checkbox"/>	1	Jun 02 - Jun 08	<input checked="" type="checkbox"/>	WEEK-2025-00024	
<input type="checkbox"/>	2	Jun 09 - Jun 15	<input checked="" type="checkbox"/>	WEEK-2025-00025	
<input type="checkbox"/>	3	Jun 16 - Jun 16	<input checked="" type="checkbox"/>	WEEK-2025-00026	

# Views

<-Schedule

Jun 02 - Jun 08

Assigned To

+

Attachments

+

Tags

+

Share

+

0 · 0 · 0

FOLLOW

You last edited this · 4 minutes ago

You created this · 4 minutes ago

Title

Jun 02 - Jun 08

Start date

06-02-2025

End date

06-08-2025

Days

<input type="checkbox"/>	No.	Display name	Day
<input type="checkbox"/>	1	2025-06-02	DAY-2025-00092
<input type="checkbox"/>	2	2025-06-03	DAY-2025-00093
<input type="checkbox"/>	3	2025-06-04	DAY-2025-00094
<input type="checkbox"/>	4	2025-06-05	DAY-2025-00095
<input type="checkbox"/>	5	2025-06-06	DAY-2025-00096

<- Week

2025-06-02

Assigned To

+

Attachments

+

Tags

+

Share

+

0 · 0 · 0

FOLLOW

You last edited this · 6 minutes ago

You created this · 6 minutes ago

Date

06-02-2025

Timeslots

<input type="checkbox"/>	No.	Timeslot	
<input type="checkbox"/>	1	8:00:00	
<input type="checkbox"/>	2	9:00:00	
<input type="checkbox"/>	3	10:00:00	
<input type="checkbox"/>	4	11:00:00	
<input type="checkbox"/>	5	12:00:00	
<input type="checkbox"/>	6	13:00:00	
<input type="checkbox"/>	7	14:00:00	
<input type="checkbox"/>	8	15:00:00	
<input type="checkbox"/>	9	16:00:00	

Day ->



# Customer Relationship Management (CRM)

- The CRM lets businesses manage customer information.
- Booking request get linked to customers in the CRM.

The screenshot displays a CRM interface for a contact named 'Marry Geoffy'. The interface includes a sidebar with navigation options: 'Assigned To', 'Attachments', 'Tags', and 'Share', each with a plus icon. Below these are social media-style icons for a heart, comment, and share, followed by a 'FOLLOW' button. The main content area has tabs for 'Details', 'Leads', 'Service Cases', 'Notes', and 'Login'. The 'Details' tab is active, showing fields for 'Full Name' (Marry Geoffy) and 'Short Name' (Marry). Below this is the 'Contacts' section with an 'Email' field (marry\_geoffy@gmail.com) and a 'Phone Number' field. The 'Address' section contains a table with one row of address information. At the bottom, there is an 'Add Row' button and a 'Tags' field.

No.	Address Line 1 *	City/Town *	State/Province/Region *	Country *	Postal C...	Is Primary
1	232 Berling Rd	West Chester	Pennsylvania	USA	19364	<input checked="" type="checkbox"/>



# CRM - Leads

- Keeps track of leads (potential to-be customers)
- Write down notes
- Assign employees
- Communications from that customer appear on the same page
- Bookings will be linked the associated lead.

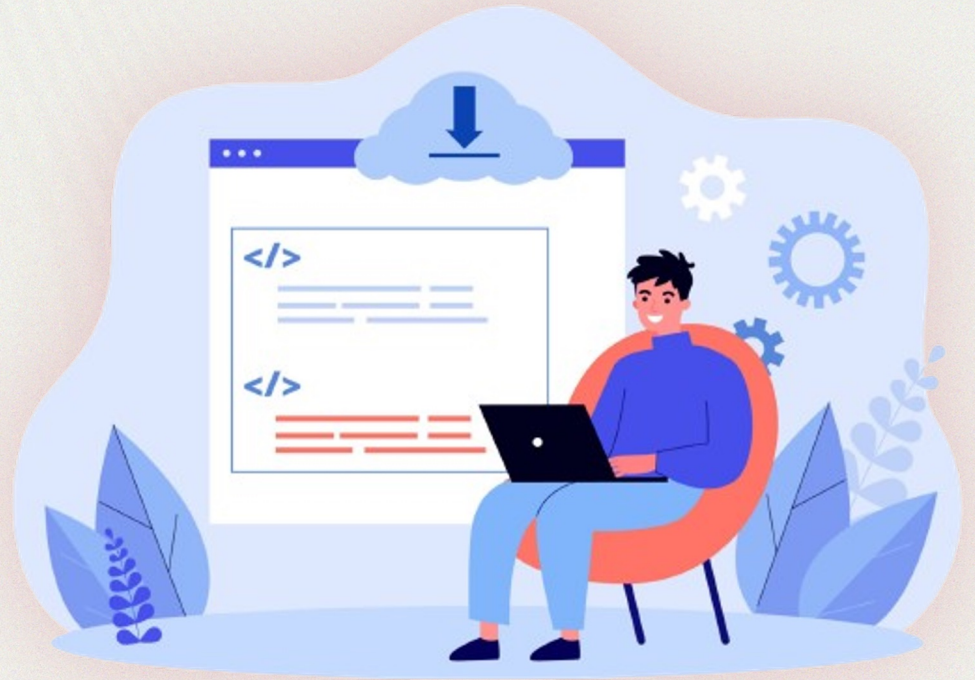
The screenshot shows a CRM interface with tabs for 'Details', 'Leads', 'Service Cases', and 'Notes'. The 'Leads' tab is active, displaying a lead entry for 'Lead 3/20/2025, 8:05:44 PM' with an 'Active' status. The lead has a score of 90, represented by a progress bar. It is assigned to 'Patrick Olson' and is interested in 'Service A'. A notes section at the bottom contains the text: 'They are remodeling part of their house and said they will be interested in booking the painting service in late April. They wanted 3 rooms painted.'

The screenshot shows an 'Activity' feed in a CRM system. It includes a toggle for 'Show all activity' and a '+ New Email' button. The feed lists activities, with the most recent being from 'Percy Shelton (percy\_shelton@gmail.com)' 14 minutes ago, titled 'Ask a question form submission'. The activity details include the user's full name, email, and service, followed by a message body: 'Hi, I was wonder if you would be able to help me with this Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris porttitor odio et ligula commodo vehicula. Nam elementum magna scelerisque pulvinar venenatis. Proin vehicula eros ut ex mollis pellentesque. Nulla rutrum tortor lorem, ut ultricies metus convallis in.' The activity ends with 'Thanks, Percy Shelton'.



# What We Learned

- Working on a structured project as a team
- Adaptability
- Version control practices
- Documentation and Clarity
- Conflict Resolution





**Questions?**