LeepFrog Platform

CSC402 LeepFrog Dev Team

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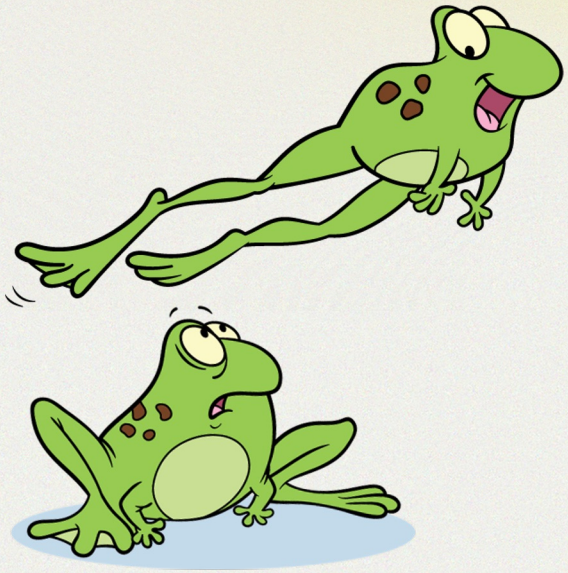
Climbing Rams

- 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

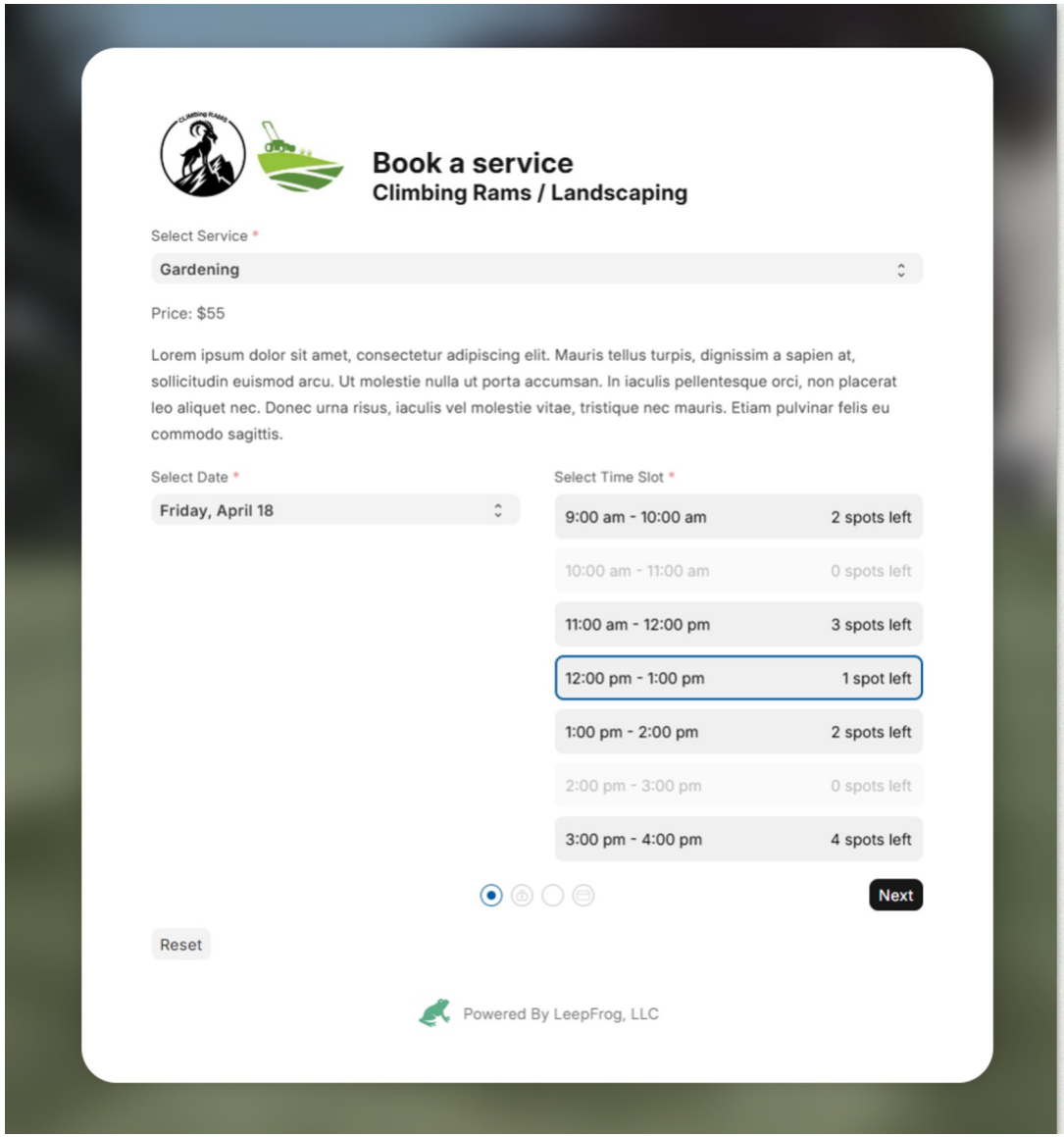
— which is —

1/2

of the
Full LeepFrog Platform

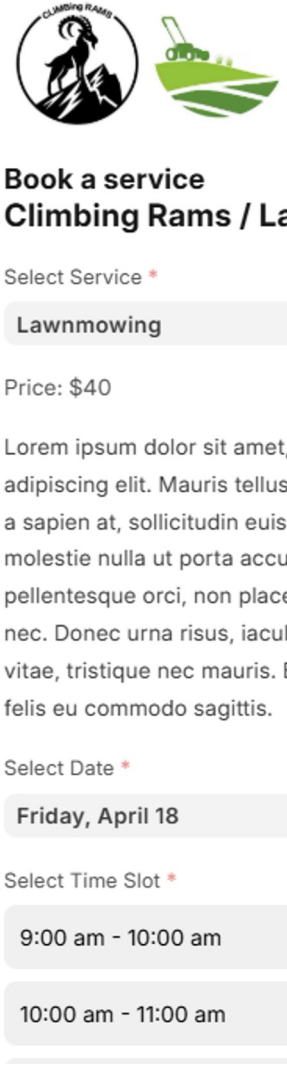
LeepFrog Platform

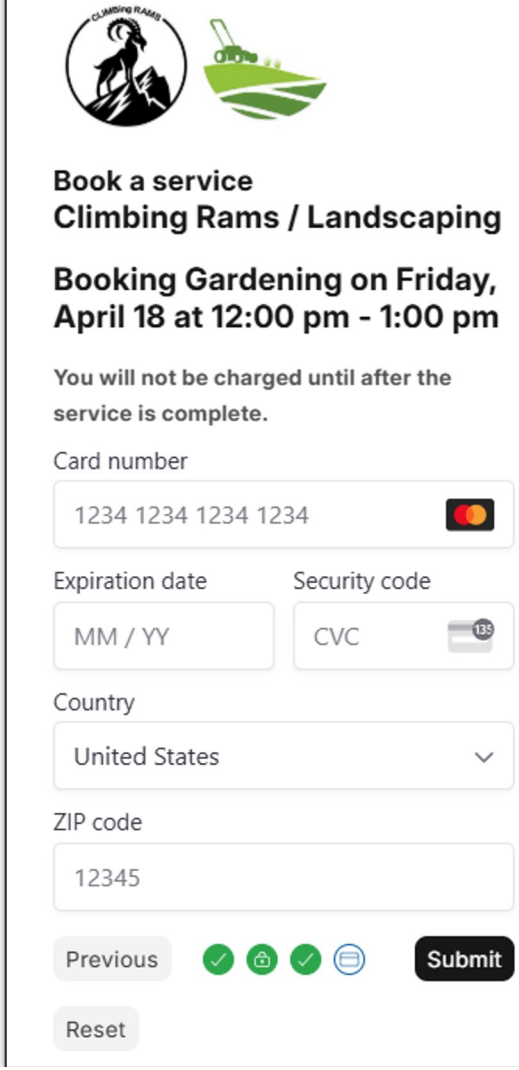
Minimum Viable Product



Booking Form

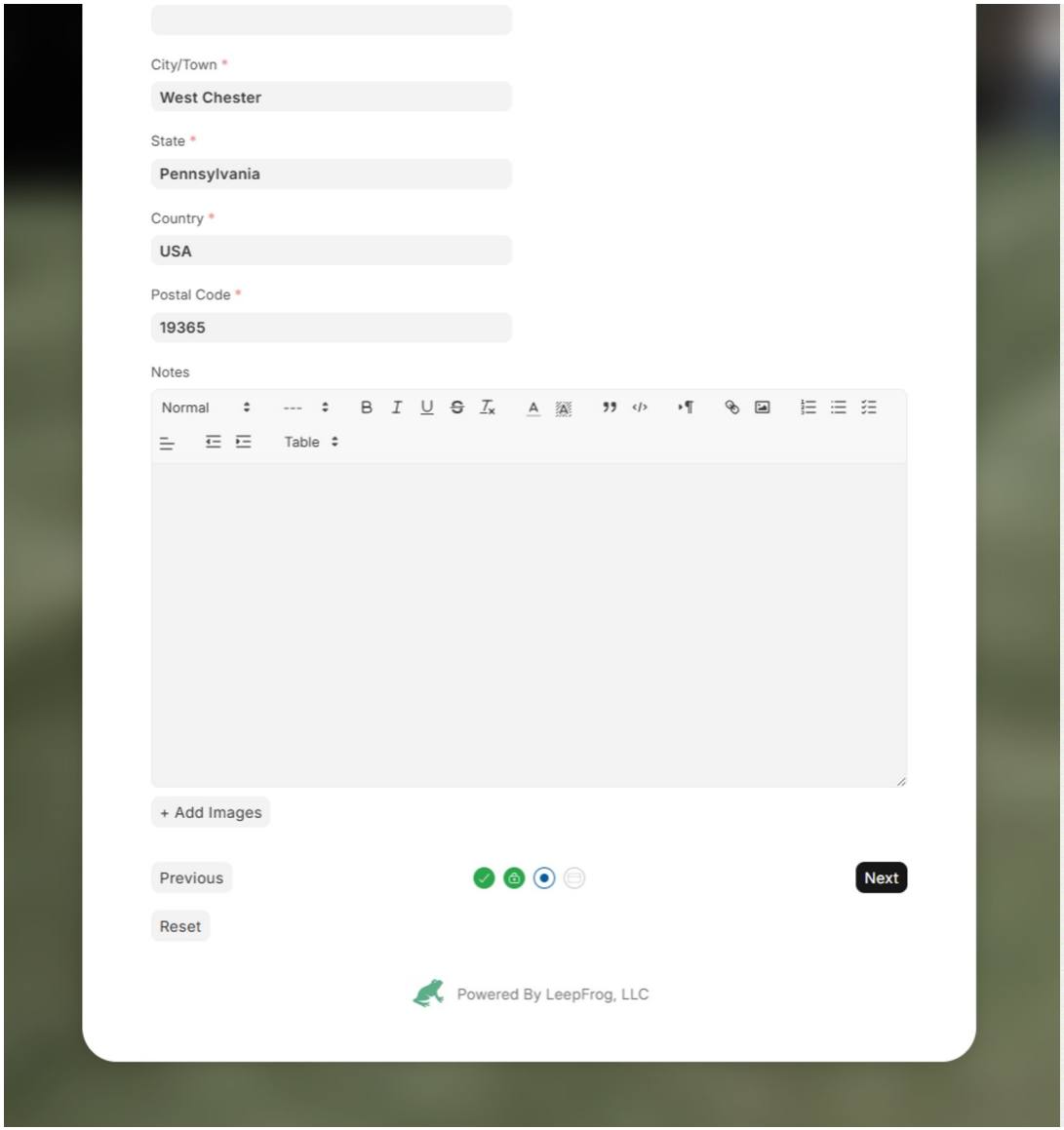
- **Customizable** booking form for every business.
- Connected to the **scheduling** system and **payment** system.





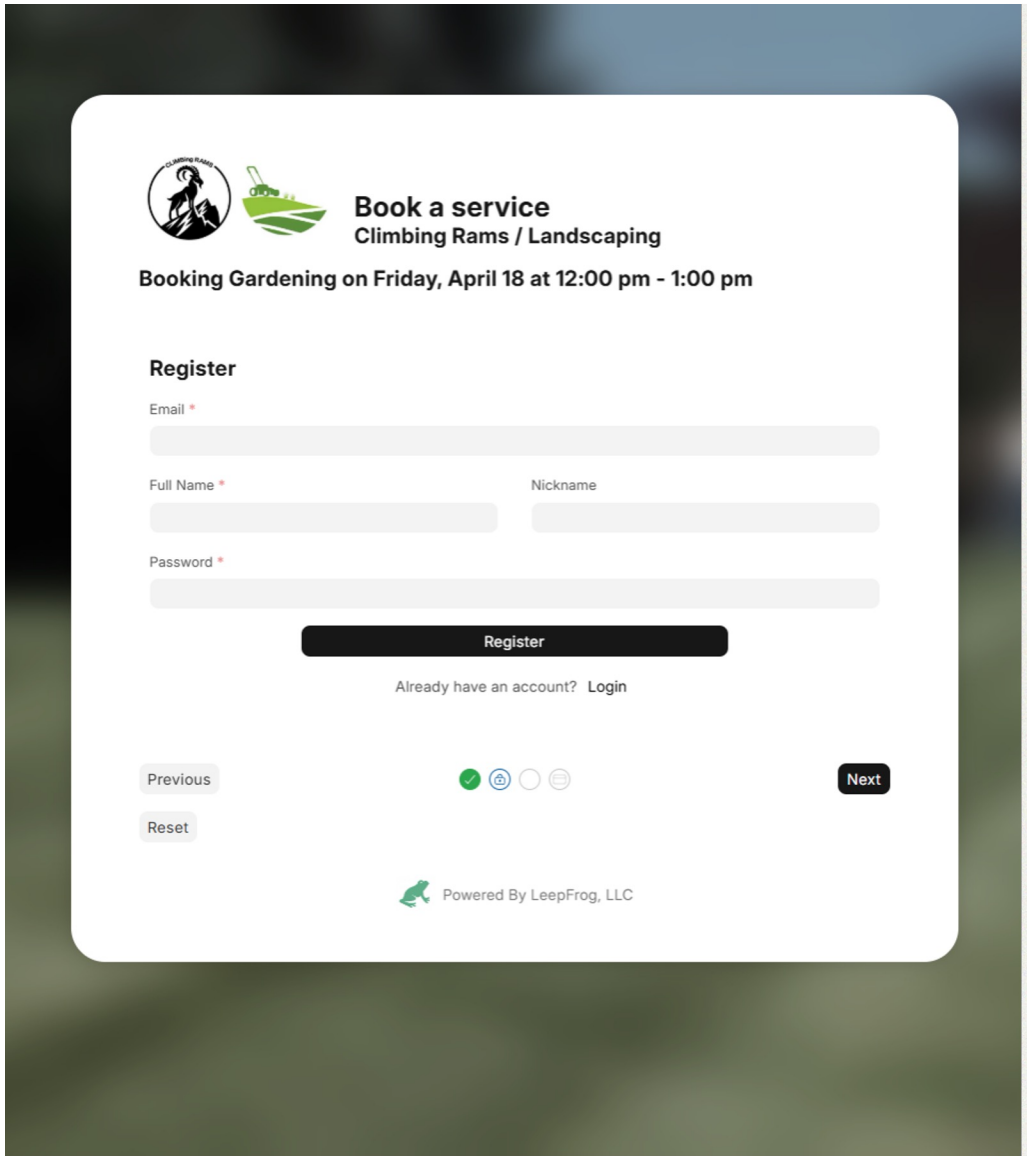
Mobile Friendly

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



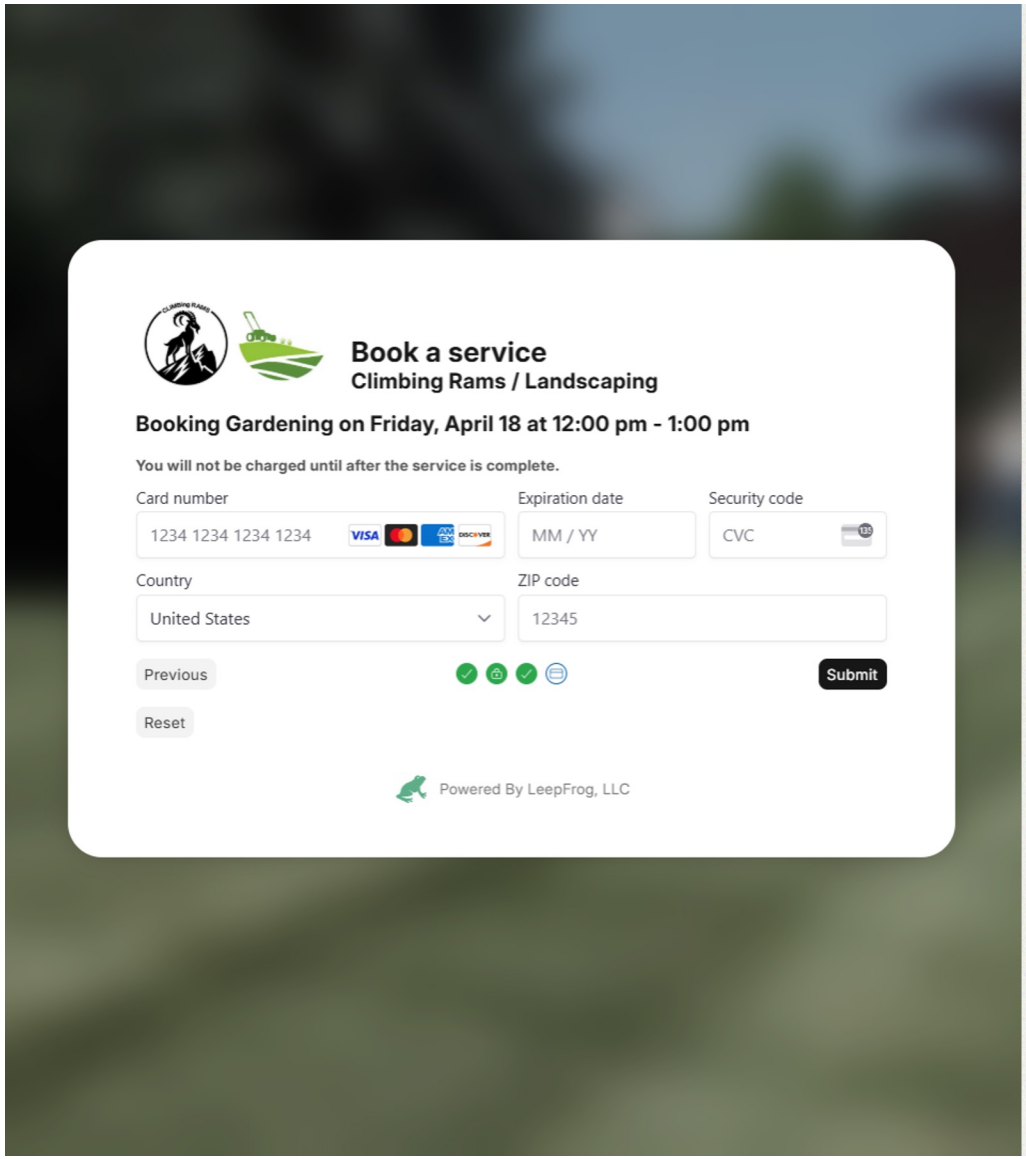
Notes

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



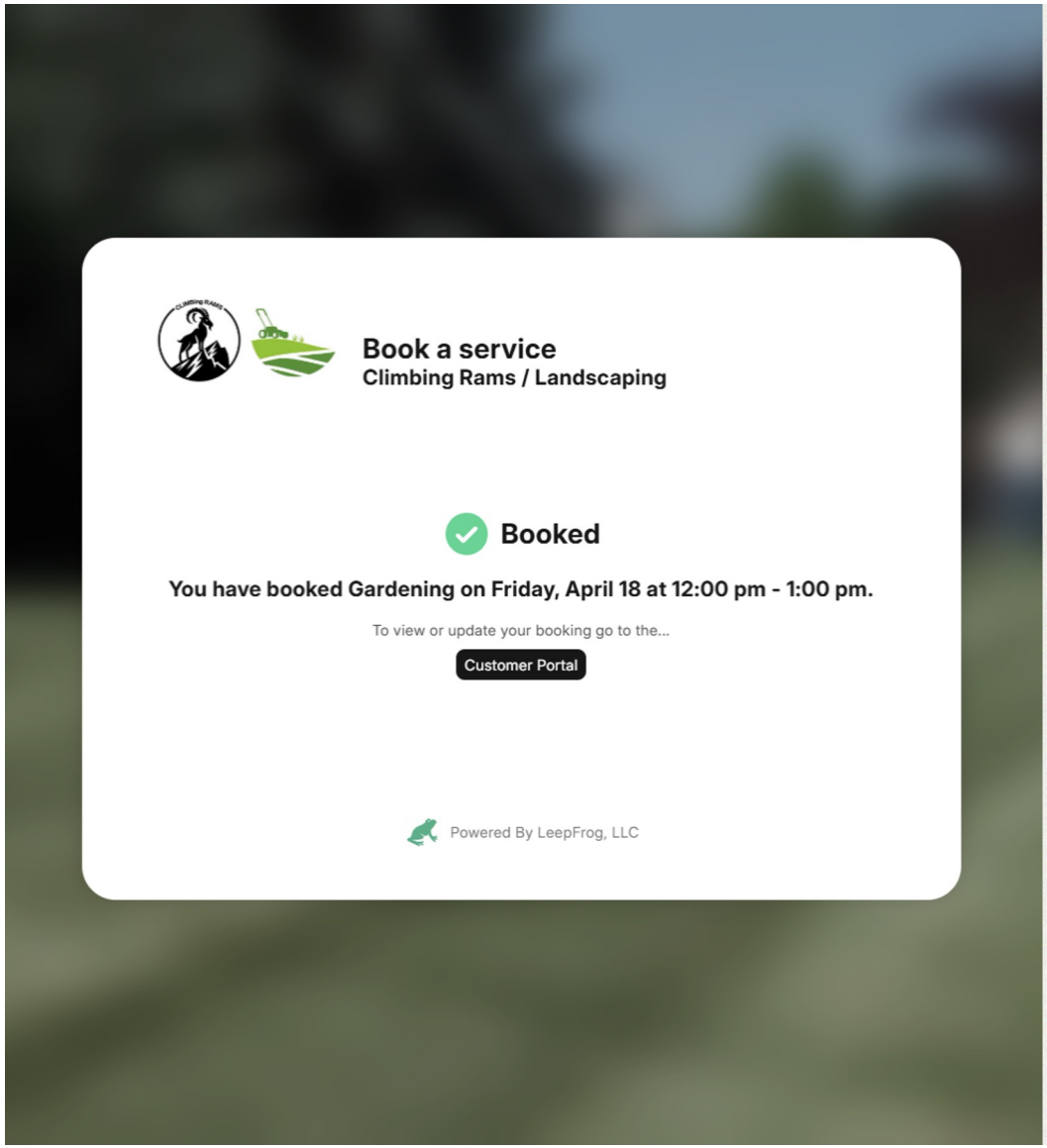
Customer Accounts

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



Payment Details

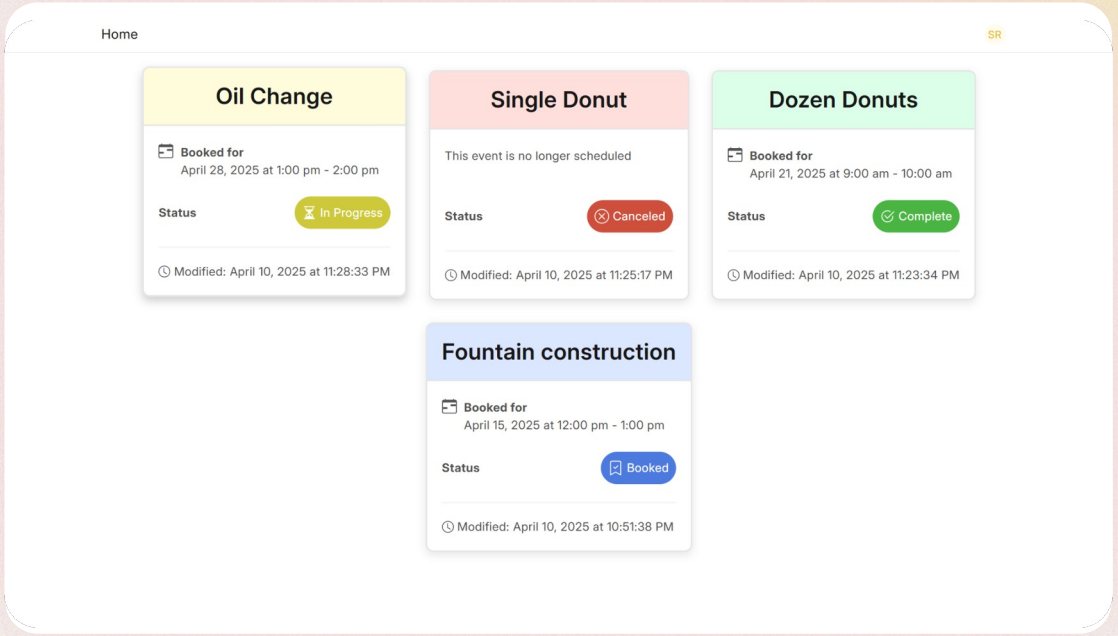
- Payment details are gathered to verify customers.
- Customers are not charged until after the service is completed.


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
Powered By LeepFrog, LLC

Booked!

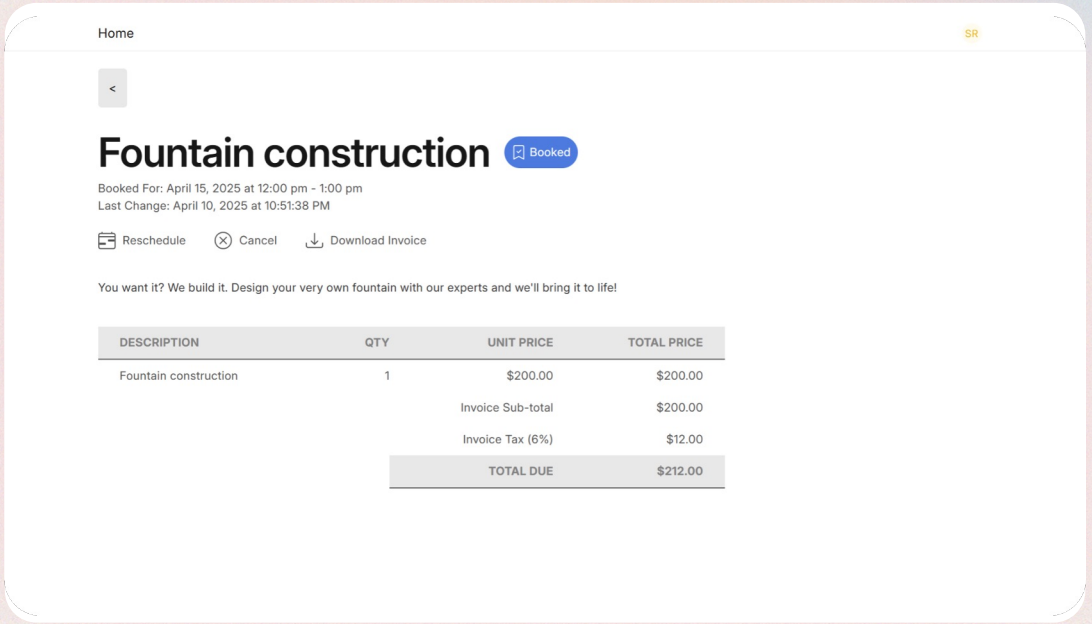
Customer Portal

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



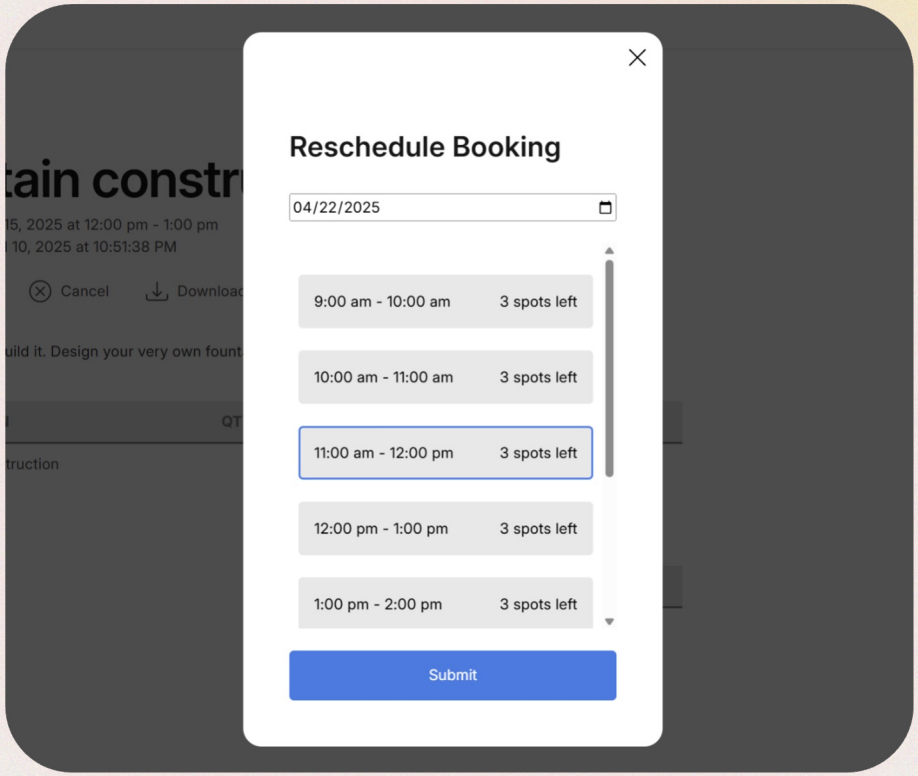
Service Page

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



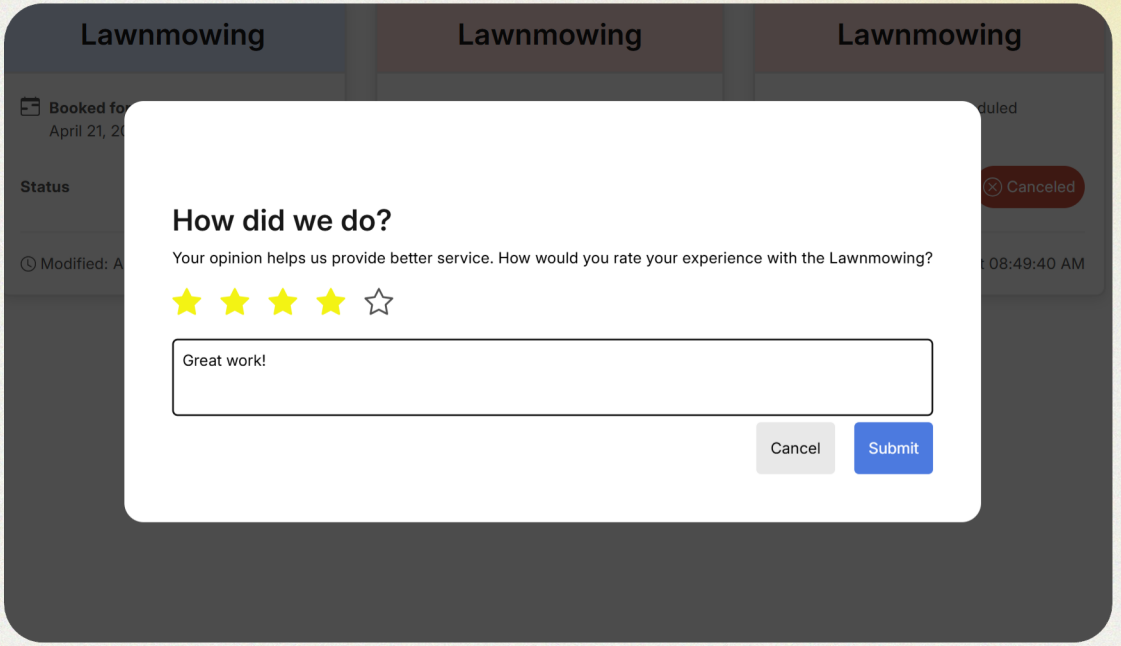
Rescheduling

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



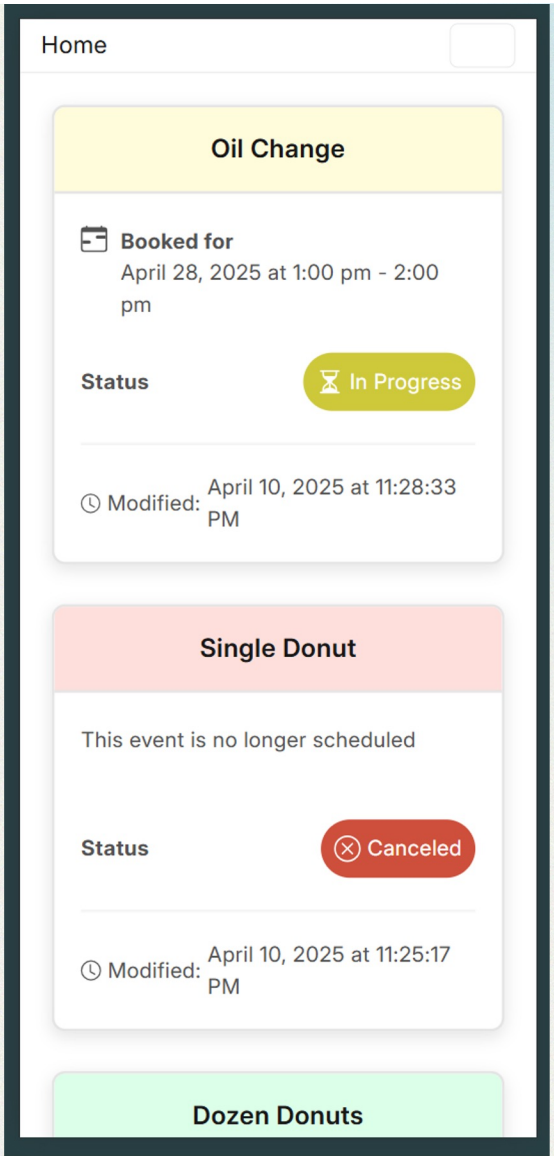
Feedback

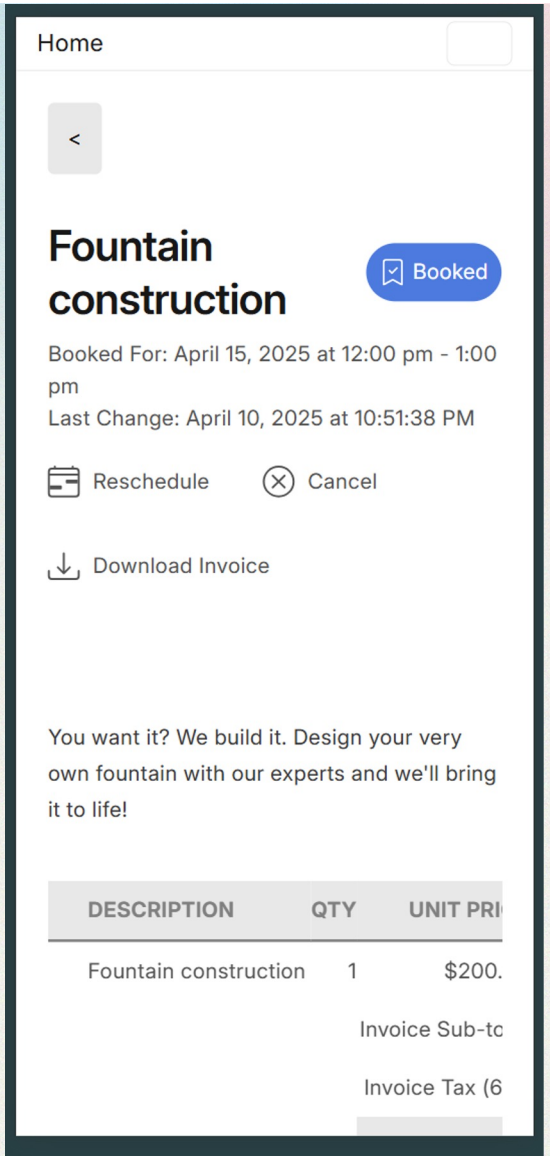
- Customers are prompted to leave feedback after a service is marked as completed/canceled



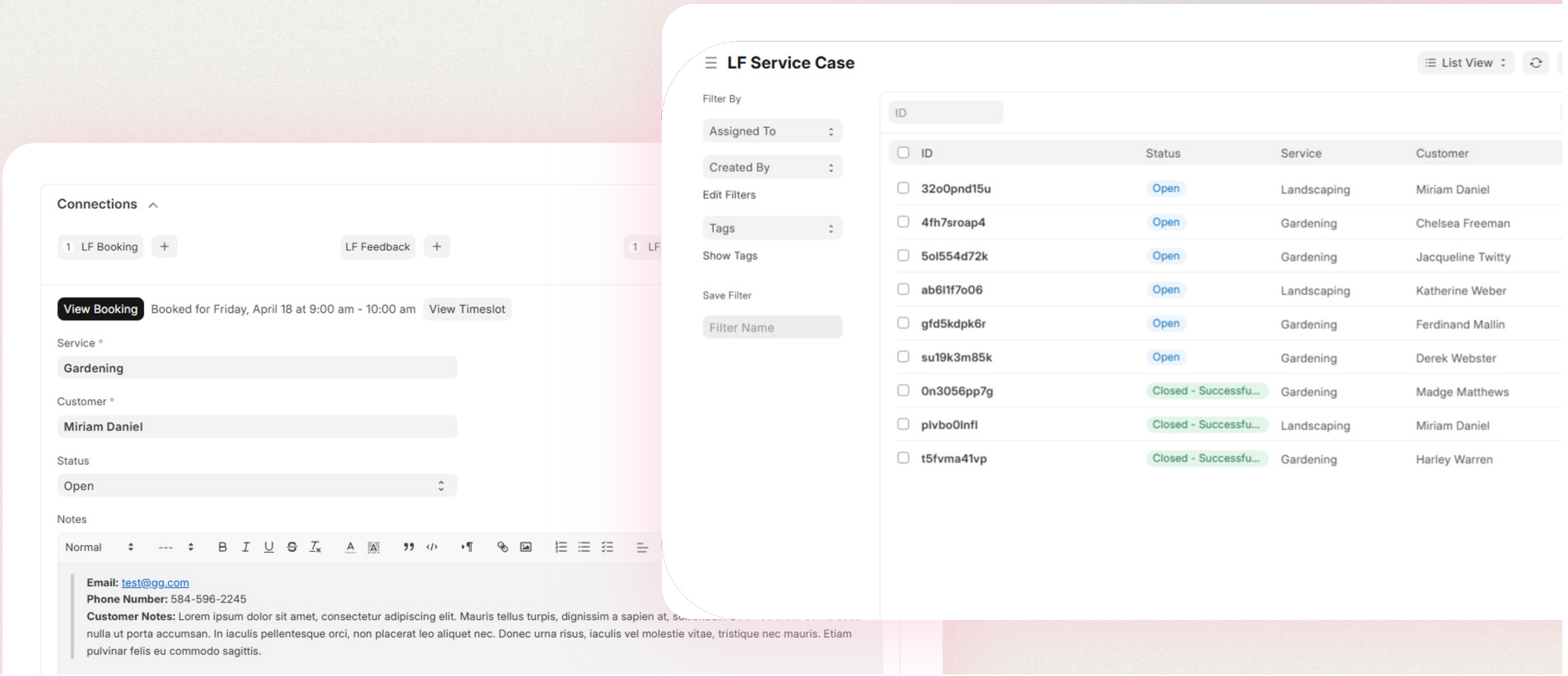
On Mobile

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



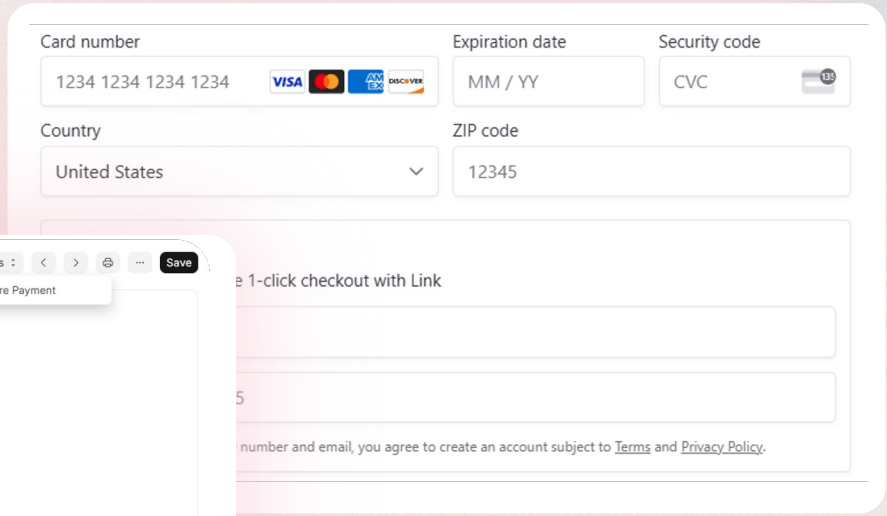


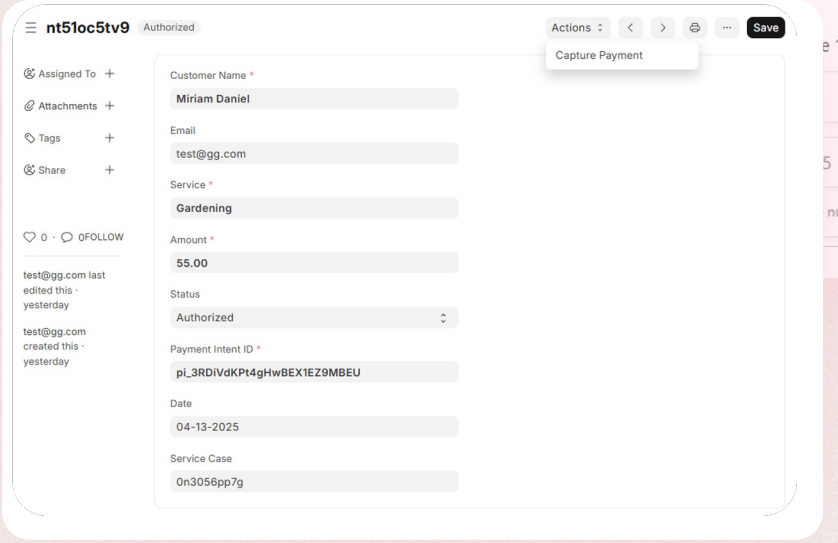
Service Cases



Stripe Integration

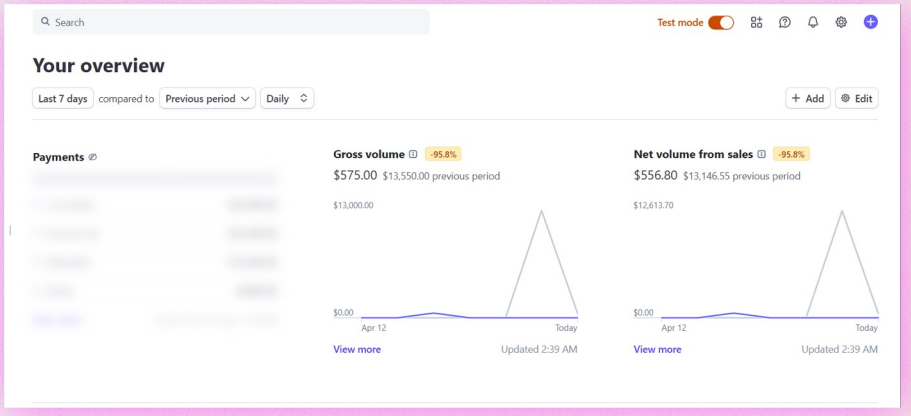
When a new service is created on LeepFrog, it creates a new item on stripe with a “Price ID” that is stored in Frappe

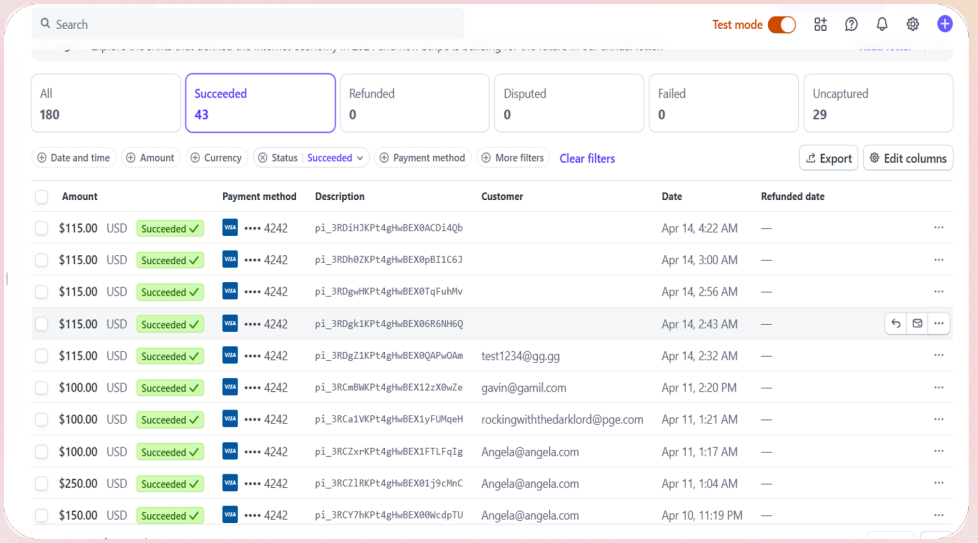


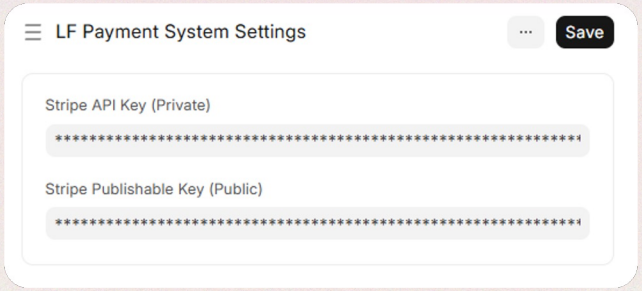


Generates a “Payment Intent ID” and can be collected at any time by the employee or owners.

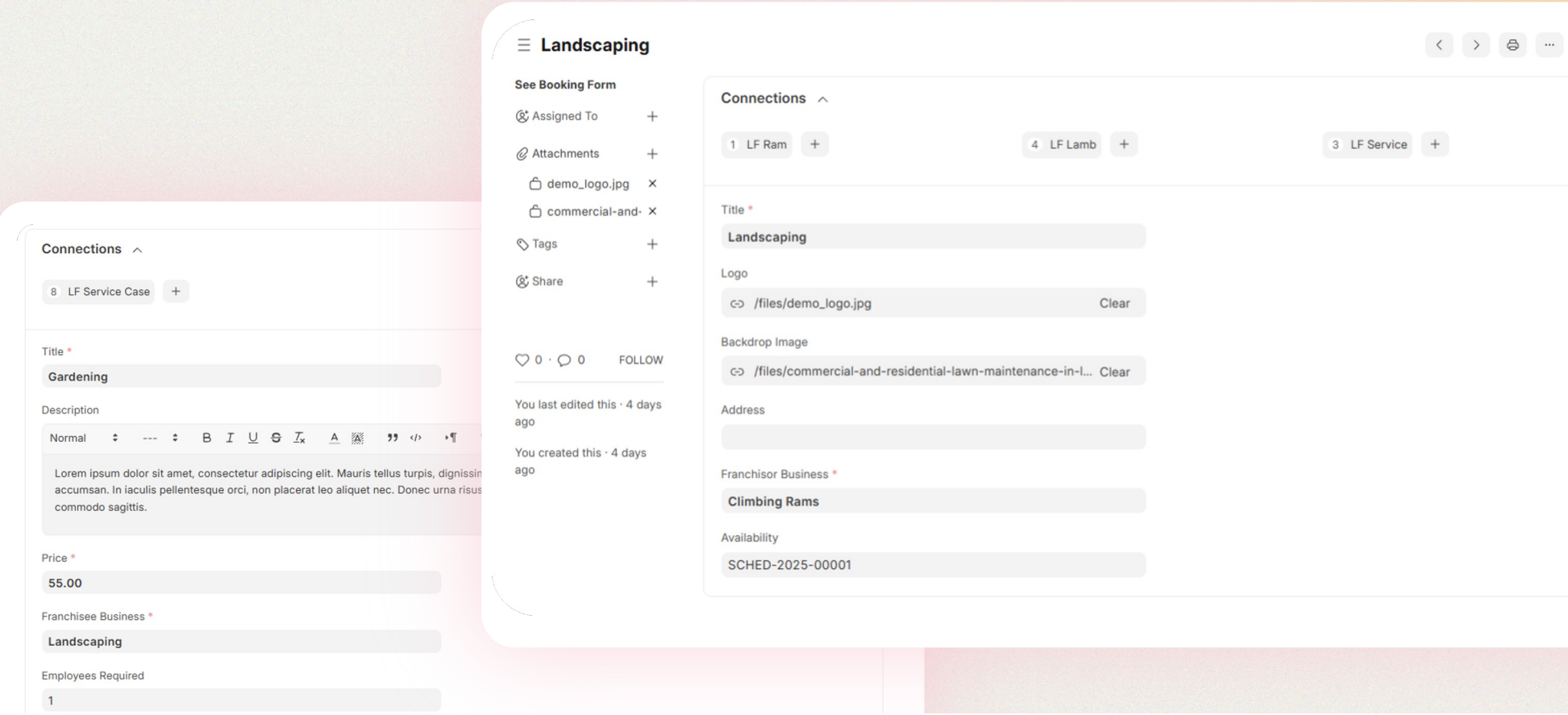
Stripe Integration 2





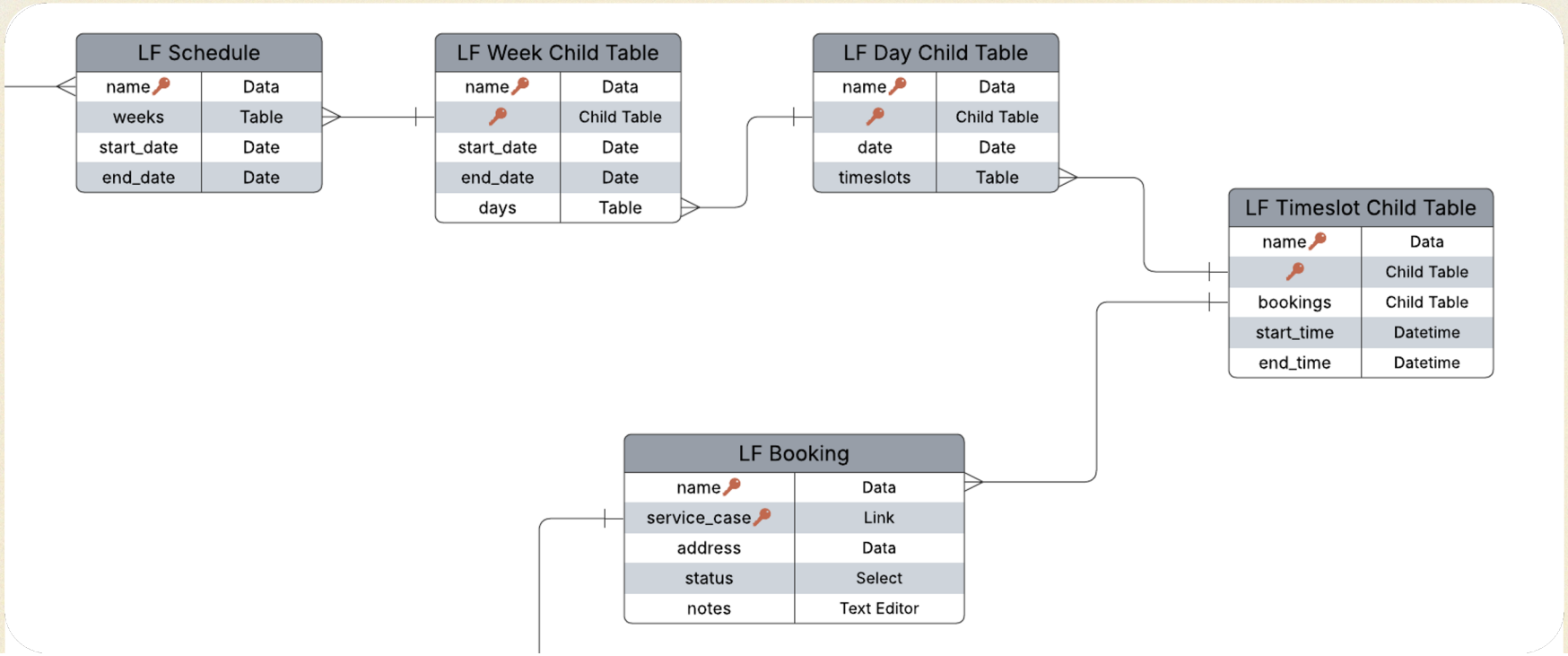


Franchisee Businesses



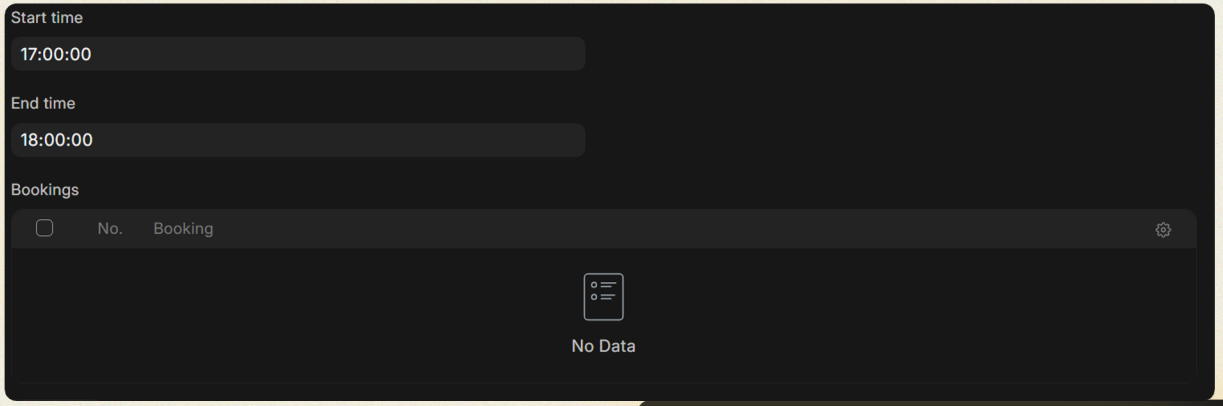
Scheduling

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



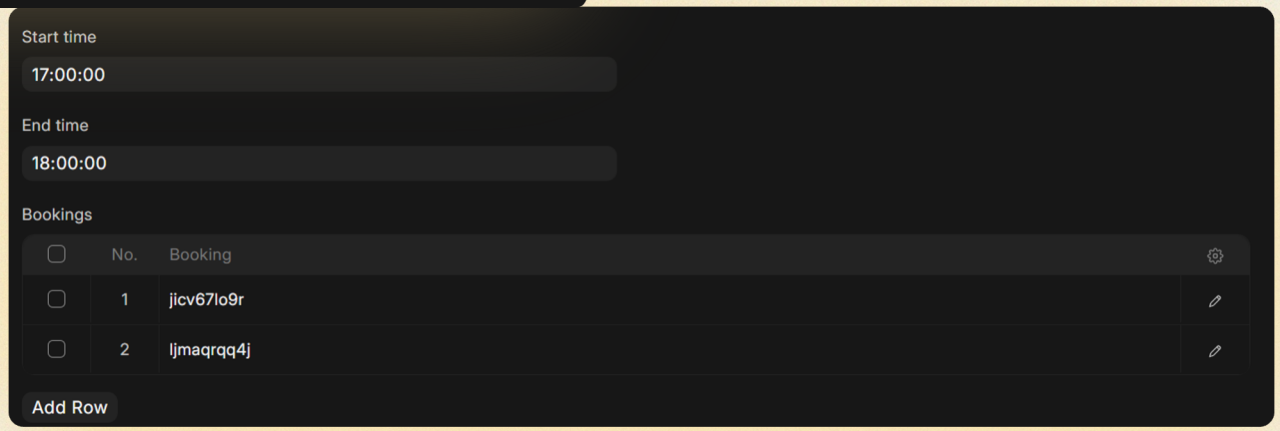
Multiple Bookings per Time Slot

- Each timeslot needs to accommodate multiple bookings at once

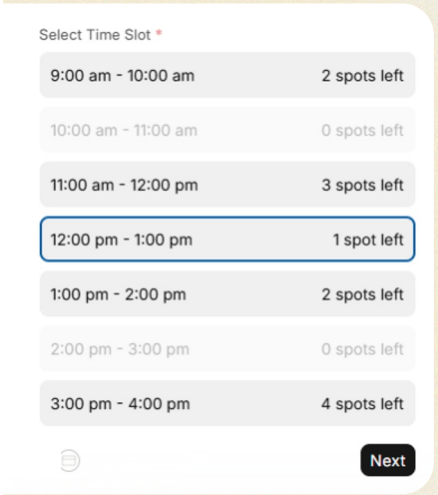


No bookings

Two bookings



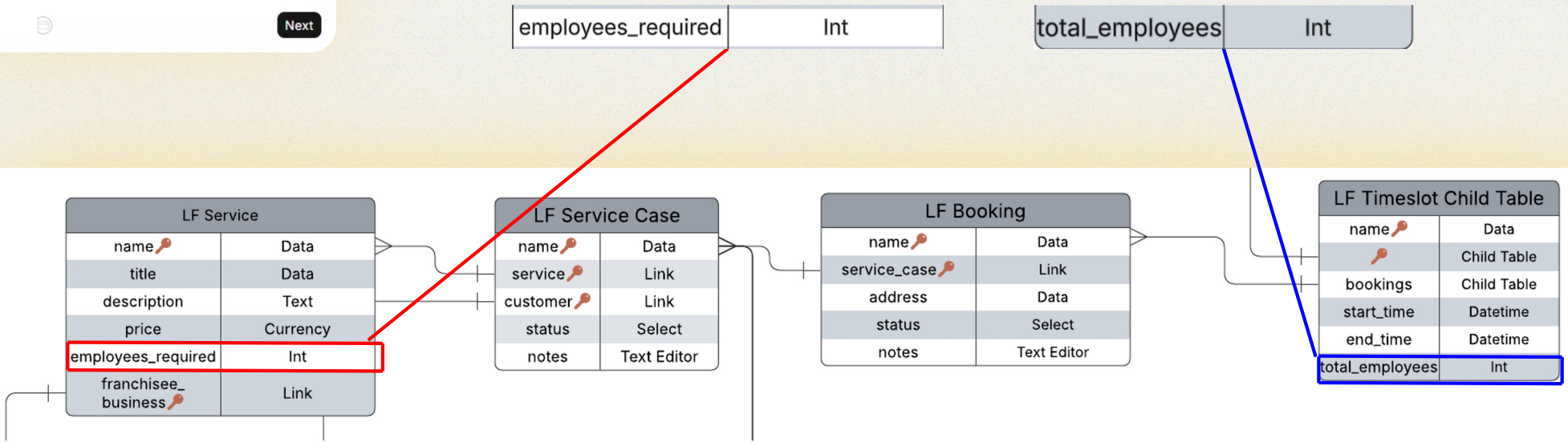
Resource Consideration



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

Slots remaining (per timeslot)

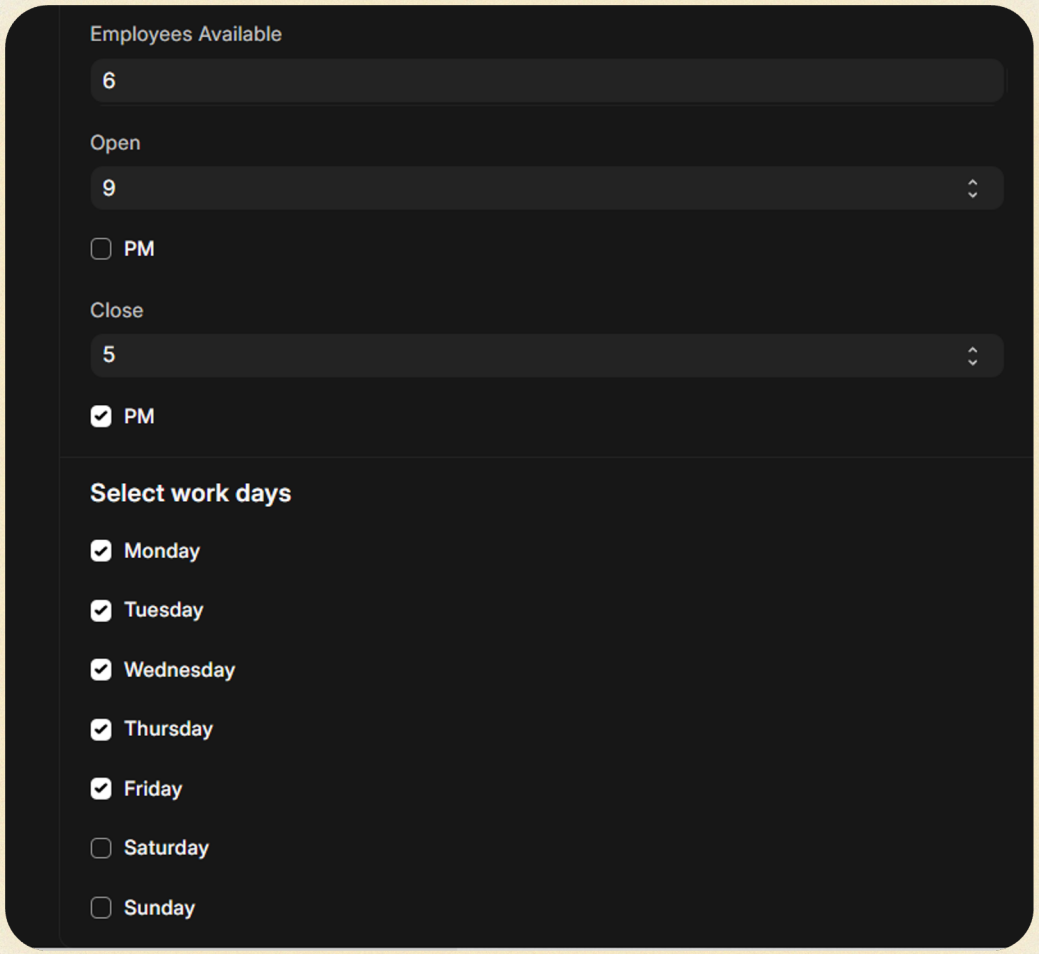
total_employees - ∑ employees_required from bookings in child table



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

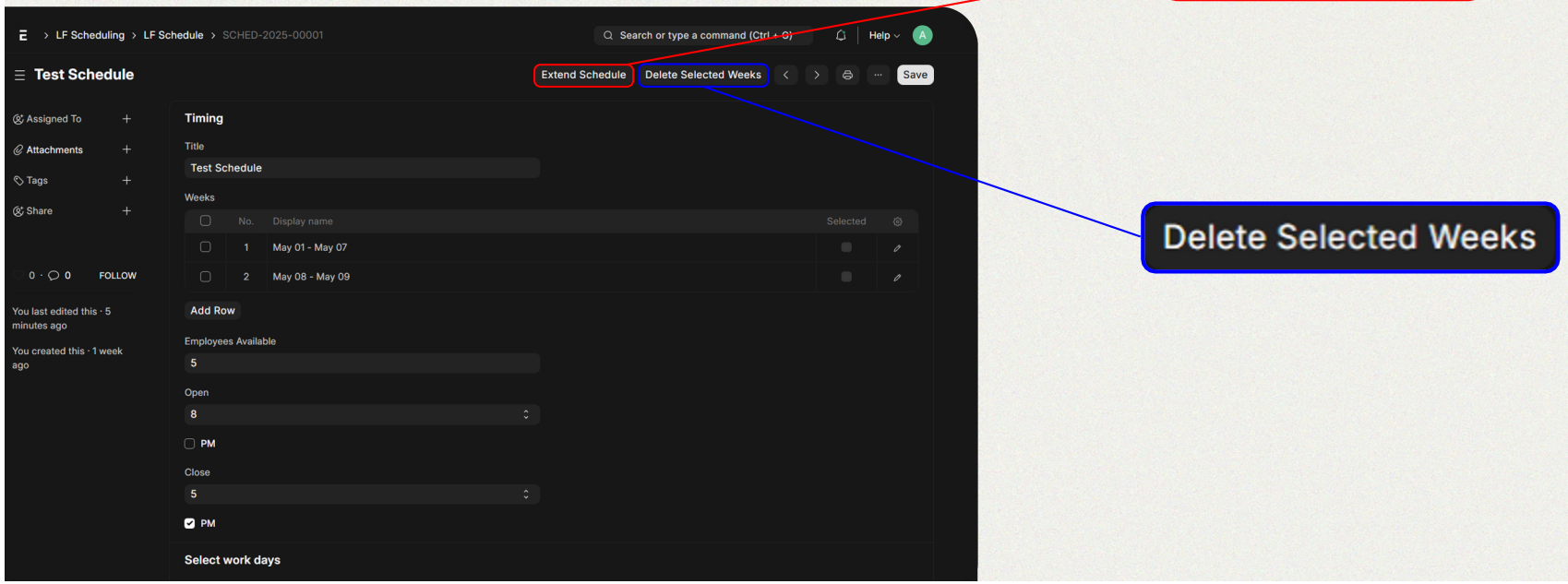


When making a schedule, owners can set the parameters that will determine the default values for :

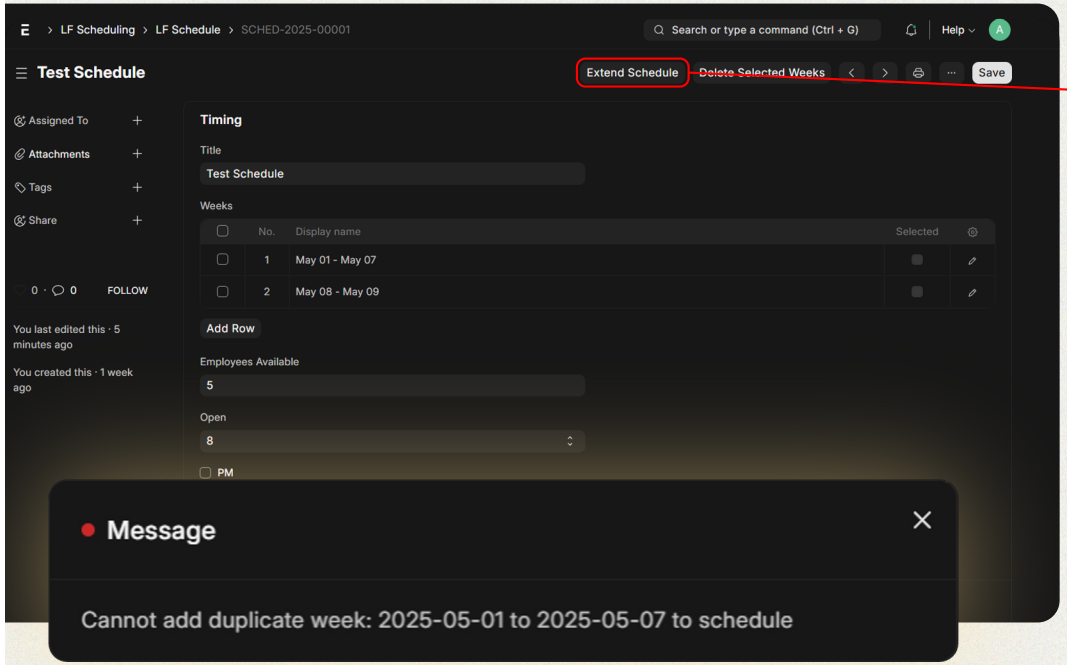
- Days added
- Timeslots added
- Employees available

Extending Schedules

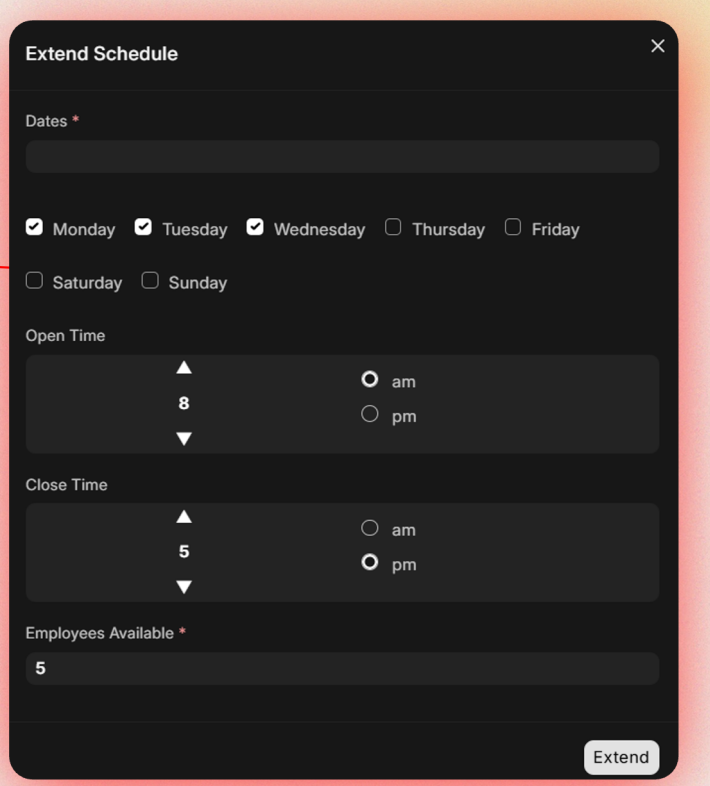
- Schedules are made once and extended as needed
  - The Day/Time parameters are used to add all of the desired Day and Timeslot doctypes



Extending Schedules



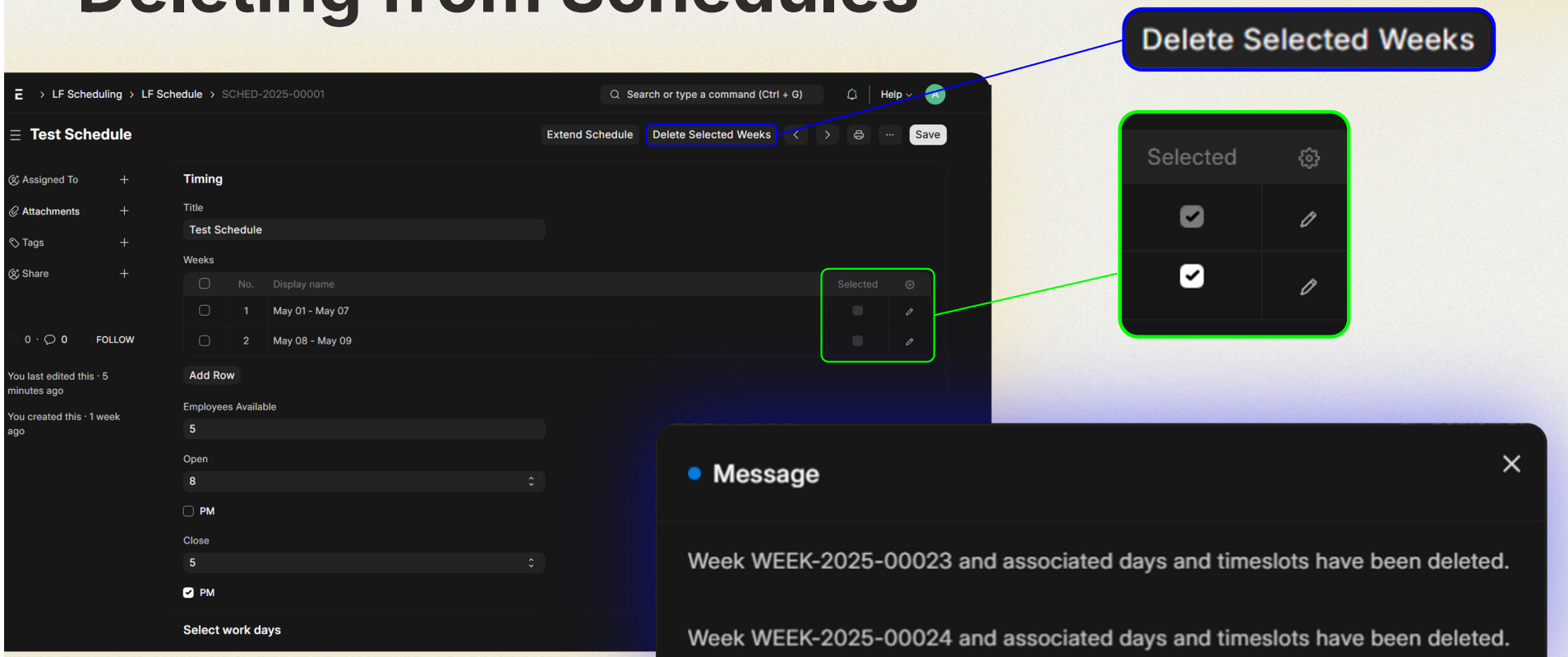
Does not allow duplicates

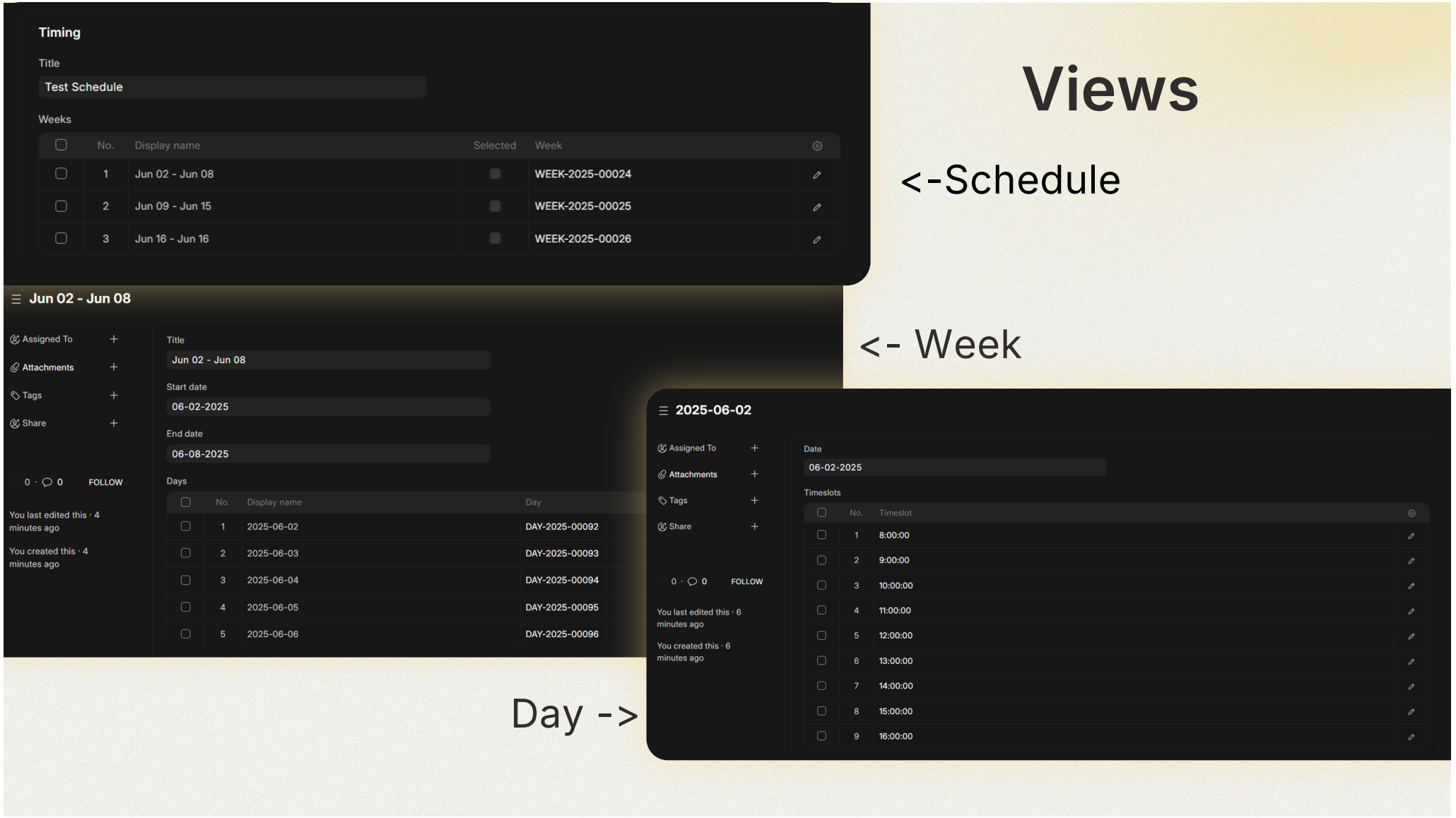


Can leave days/times blank to use the default values or add selections to override defaults

- Defaults will remain unchanged

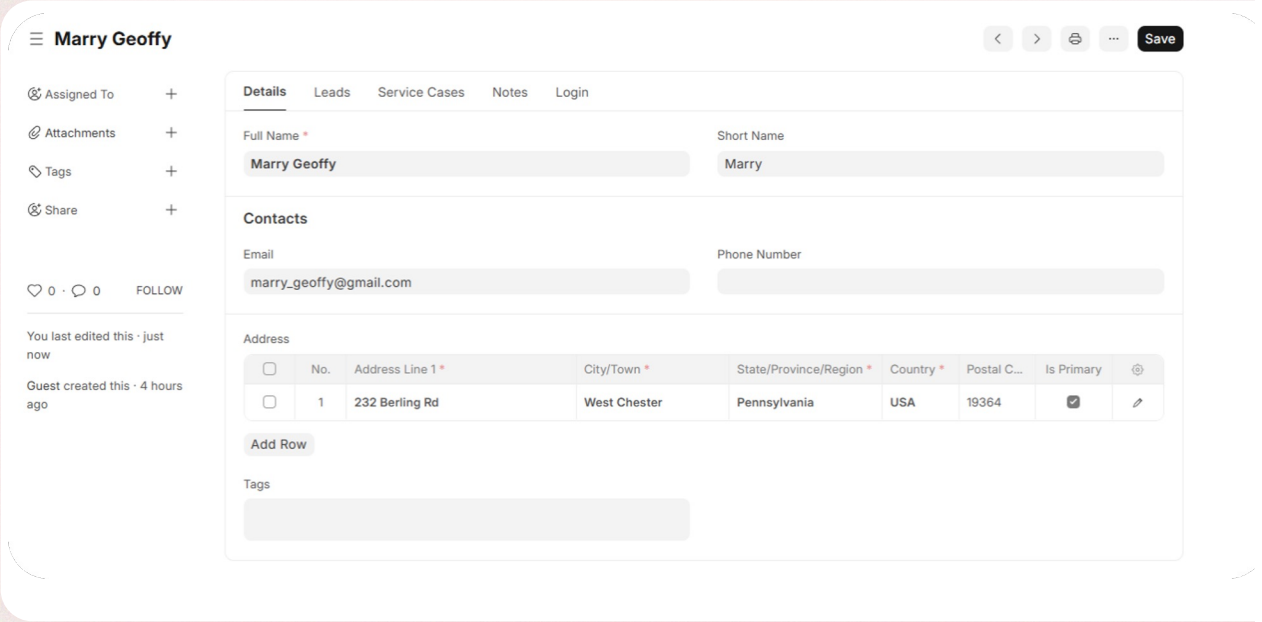
Deleting from Schedules




Timing
Title
Test Schedule
Weeks
No.
Display name
Selected
Week
1
Jun 02 - Jun 08
WEEK-2025-00024
2
Jun 09 - Jun 15
WEEK-2025-00025
3
Jun 16 - Jun 16
WEEK-2025-00026
Views
<-Schedule
Jun 02 - Jun 08
Assigned To
Attachments
Tags
Share
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
No.
Display name
Day
1
2025-06-02
DAY-2025-00092
2
2025-06-03
DAY-2025-00093
3
2025-06-04
DAY-2025-00094
4
2025-06-05
DAY-2025-00095
5
2025-06-06
DAY-2025-00096
<- Week
2025-06-02
Assigned To
Attachments
Tags
Share
0 · 0
FOLLOW
You last edited this · 6 minutes ago
You created this · 6 minutes ago
Date
06-02-2025
Timeslots
No.
Timeslot
1
8:00:00
2
9:00:00
3
10:00:00
4
11:00:00
5
12:00:00
6
13:00:00
7
14:00:00
8
15:00:00
9
16:00:00
Day ->

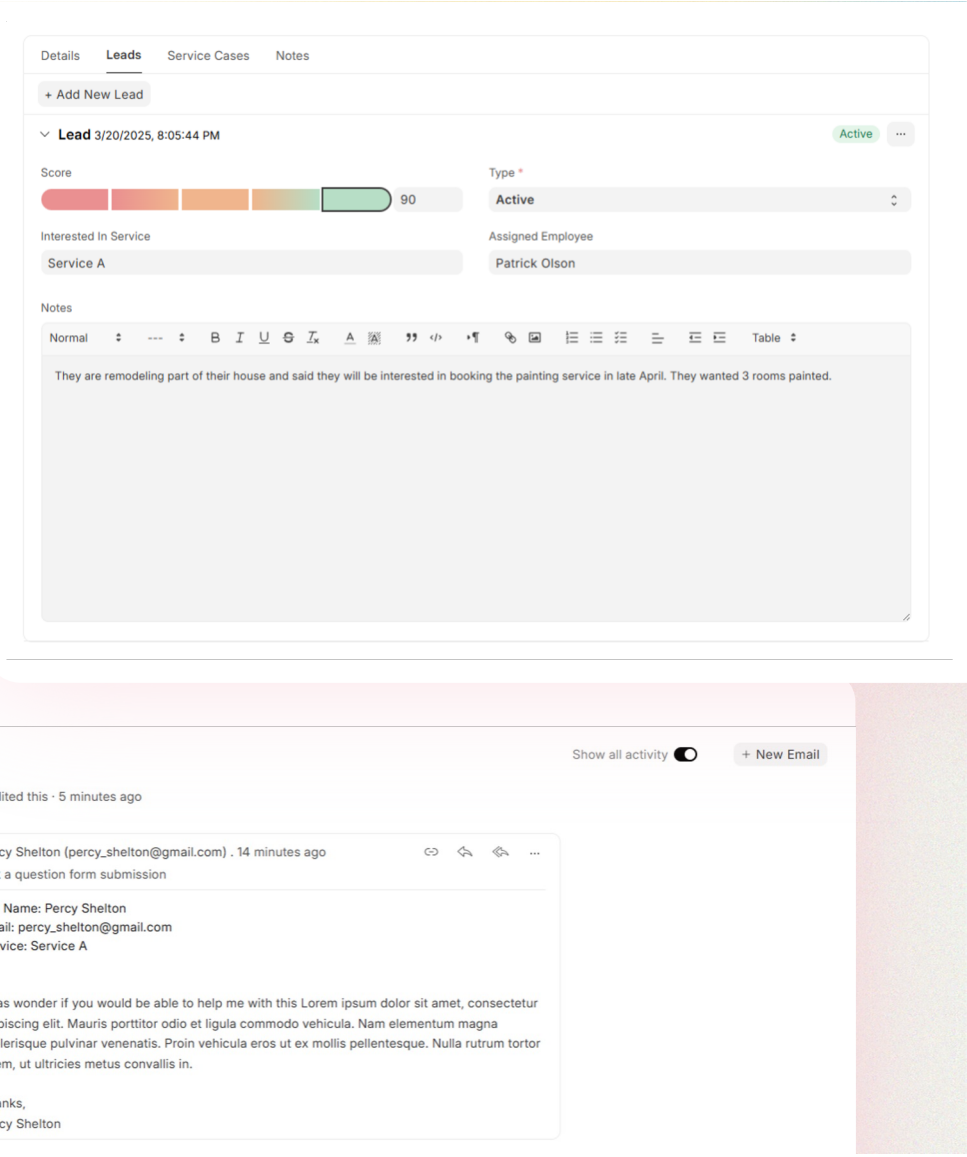
Customer Relationship Management (CRM)

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



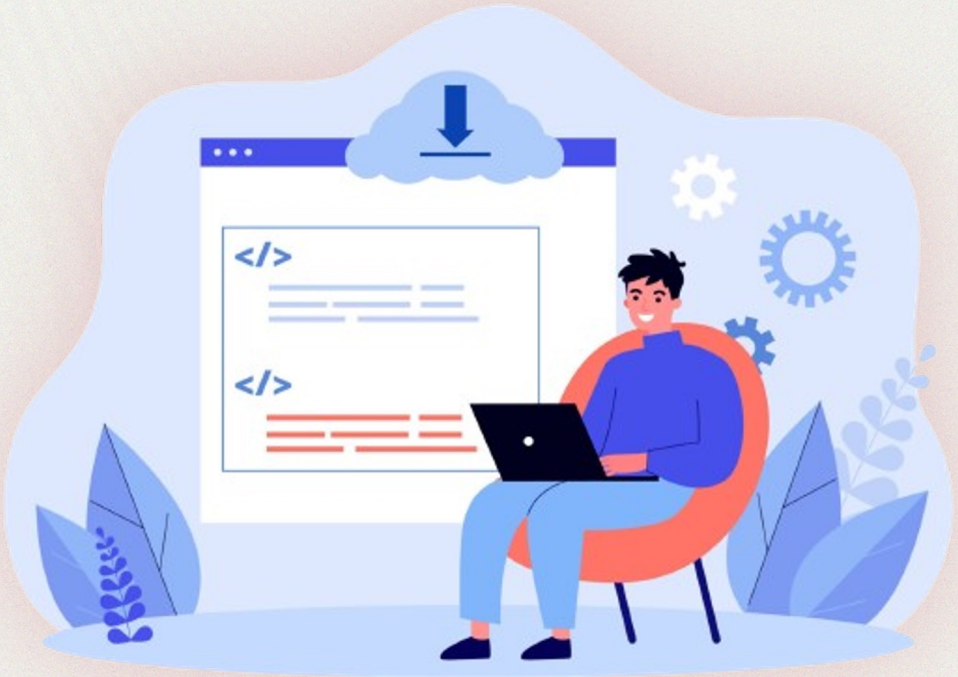
CRM - Leads

- 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.



What We Learned

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



Questions?