Software Engineering for Business Applications - Master's Course: Web Application Engineering (IN2087)

Assignment 2

GYM VAULT

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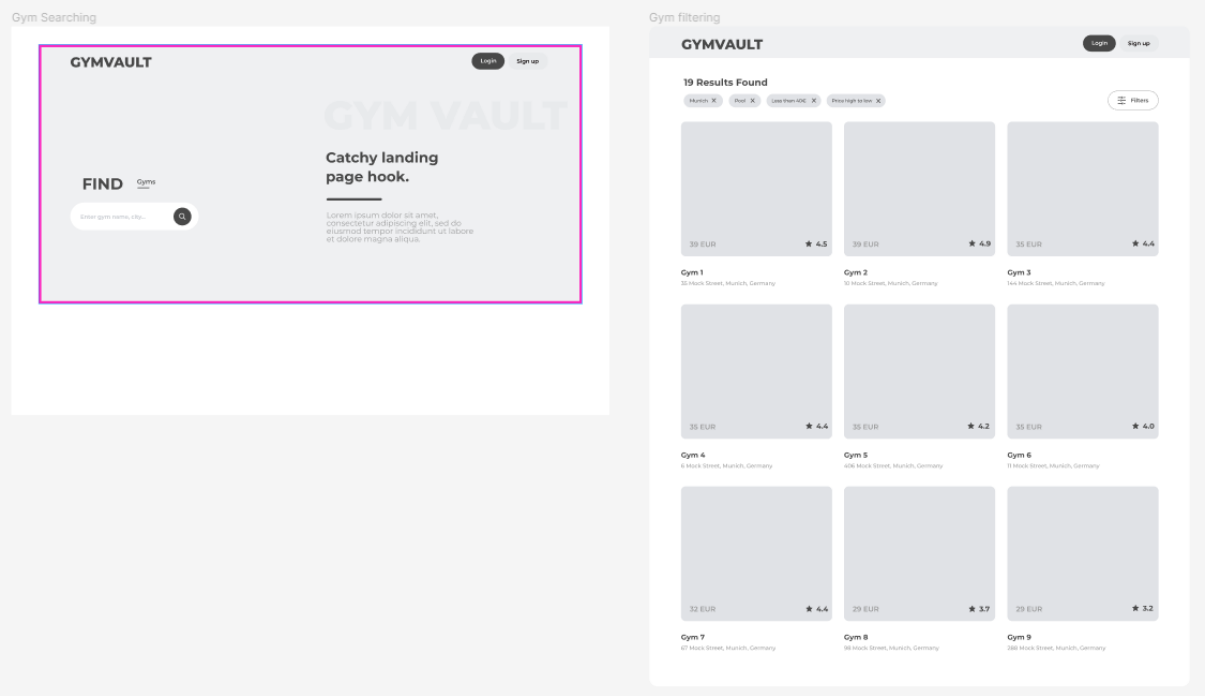
Use Cases

Use Case 1 : Gym Searching and Filtering

When the user enters the website, the first feature that is available to them is a search bar to look for gyms. The user can click on the search bar and type in the name of a city or the name of a gym. The search bar is an autocomplete component which can help narrow down the choices. After typing their search query, a drop down appears and displays a maximum of 5 of the most relevant results.

When the user selects an item in the dropdown, he is redirected to the filtering page. At the top of this page, the user can see the number of results that matched their query. The search results are displayed in rows, with each row containing 3 cards. There are at most 3 rows displayed at a time, and the user can see the next row by scrolling to the bottom. Each card contains the name of the gym, the address, the thumbnail, the price of a monthly subscription and the user reviews.

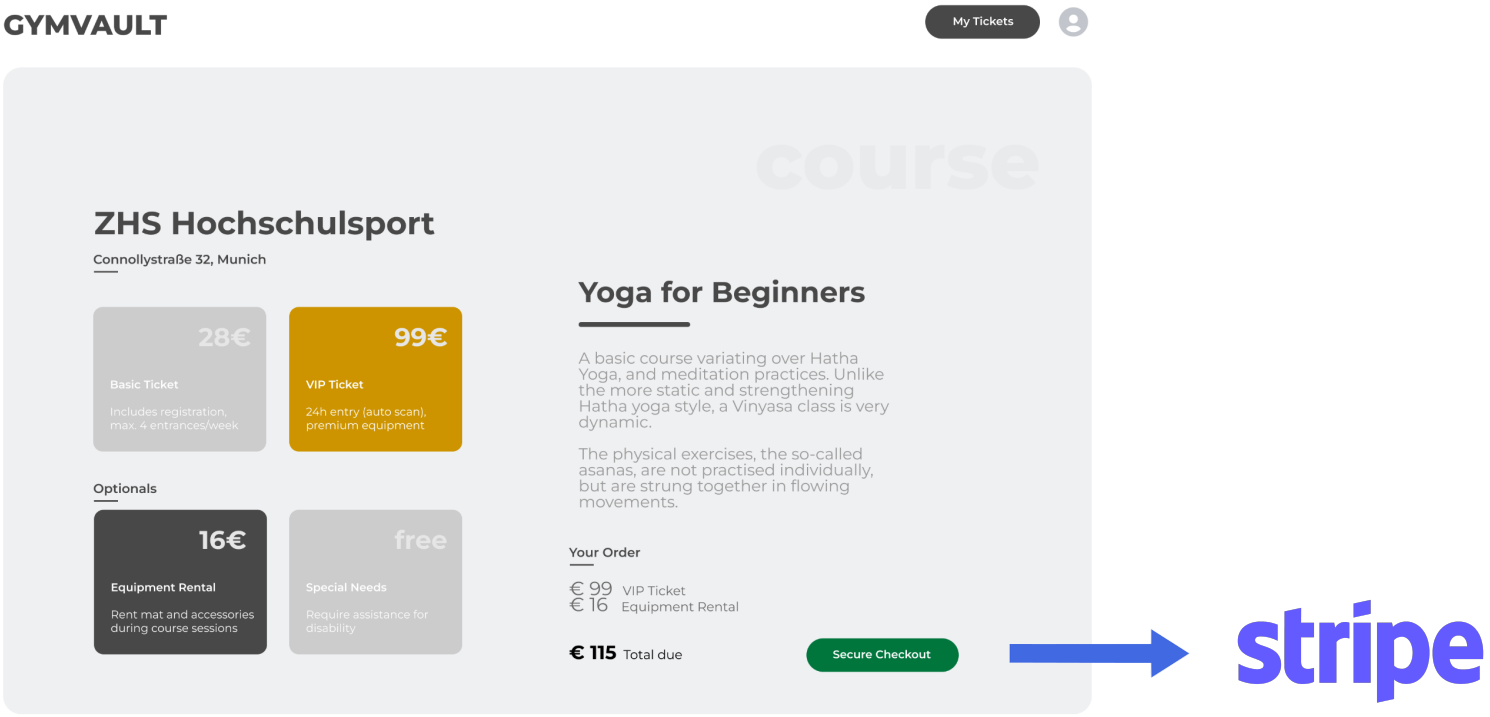
At the top right of the page is a filters button which the user can use if they want to filter the results. When the user clicks that button, a modal pops up with the following filters with each filter on its own row: price low to high (checkbox), subscription types (radio buttons) and amenities and equipment (checkboxes). When the user makes their selection, the active filters are displayed at the top of the page and can be cleared using the clear (X) icon.

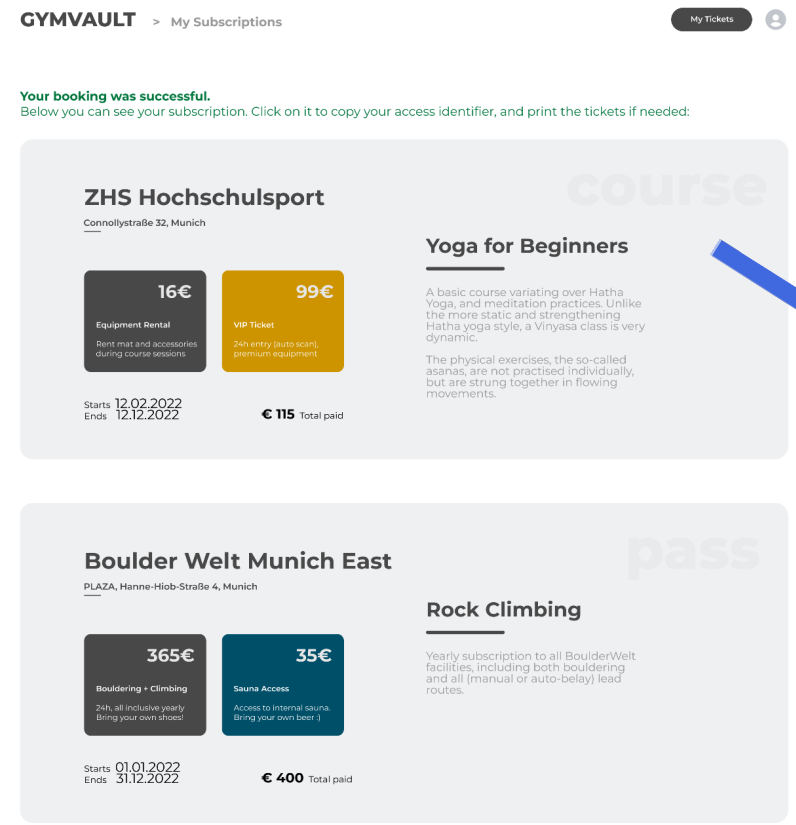


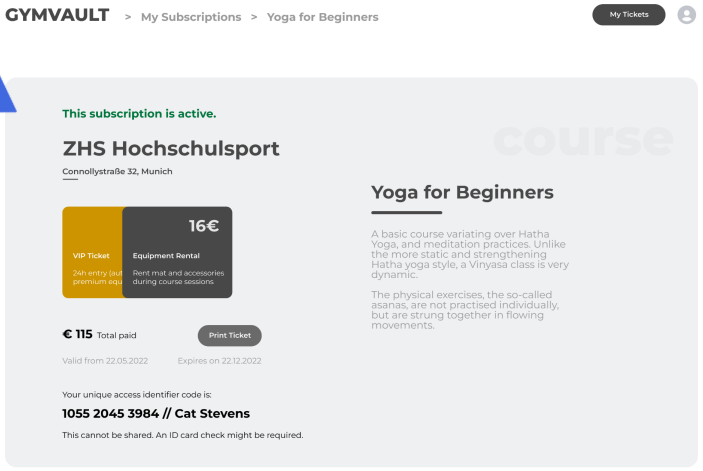
Use Case 2: Booking, Checkout and Subscription Management

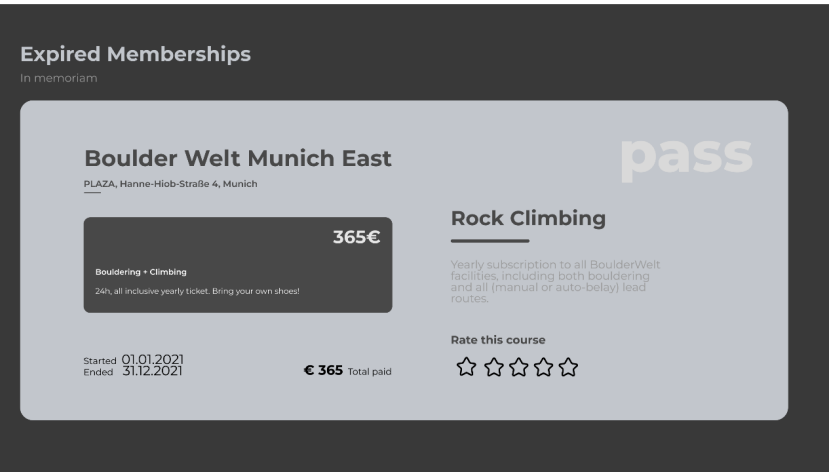
From the filtering page, courses and buying options are shown. The user selects one of these (course or subscription) and a page with customizations for such options, a summary of options, the total pricing, and the terms & conditions is shown.

An agreement is done if necessary to pass the full name, email and phone to the gym. From here, the user is directed to their summary page (showing a confirmation on top) for their current & past subscriptions. The ticket code that they can use to access the gym is also displayed and the checkout is then performed via Stripe. Finally, clicking on one subscription from the list reveals once again its summary, and shows the secret code required to access the gym and both past and current memberships are shown under the personal summary page.




GYMVAULT > My Subscriptions
My Tickets
Your booking was successful.
Below you can see your subscription. Click on it to copy your access identifier, and print the tickets if needed:
ZHS Hochschulsport
Connollystraße 32, Munich
course
Yoga for Beginners
16€
Equipment Rental
Rent mat and accessories during course sessions
99€
VIP Ticket
24h entry (auto scan), premium equipment
A basic course variating over Hatha Yoga, and meditation practices. Unlike the more static and strengthening Hatha yoga style, a Vinyasa class is very dynamic.
The physical exercises, the so-called asanas, are not practised individually, but are strung together in flowing movements.
Starts 12.02.2022
Ends 12.12.2022
€ 115 Total paid
Boulder Welt Munich East
PLAZA, Hanne-Hiob-Straße 4, Munich
pass
Rock Climbing
365€
Bouldering + Climbing
24h, all inclusive yearly Bring your own shoes!
35€
Sauna Access
Access to internal sauna. Bring your own beer :)
Yearly subscription to all BoulderWelt facilities, including both bouldering and all (manual or auto-belay) lead routes.
Starts 01.01.2022
Ends 31.12.2022
€ 400 Total paid

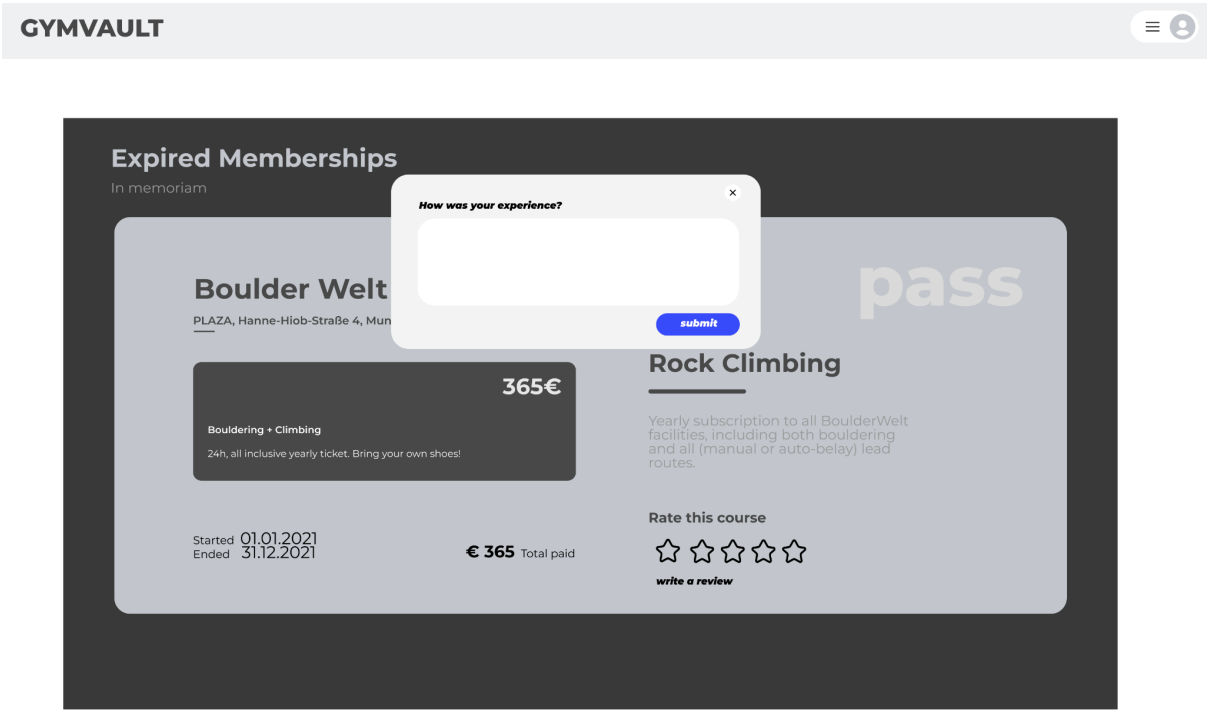

GYMVAULT > My Subscriptions > Yoga for Beginners
My Tickets
This subscription is active.
ZHS Hochschulsport
Connollystraße 32, Munich
course
Yoga for Beginners
16€
Equipment Rental
Rent mat and accessories during course sessions
A basic course variating over Hatha Yoga, and meditation practices. Unlike the more static and strengthening Hatha yoga style, a Vinyasa class is very dynamic.
The physical exercises, the so-called asanas, are not practised individually, but are strung together in flowing movements.
€ 115 Total paid
Print Ticket
Valid from 22.05.2022
Expires on 22.12.2022
Your unique access identifier code is:
1055 2045 3984 // Cat Stevens
This cannot be shared. An ID card check might be required.

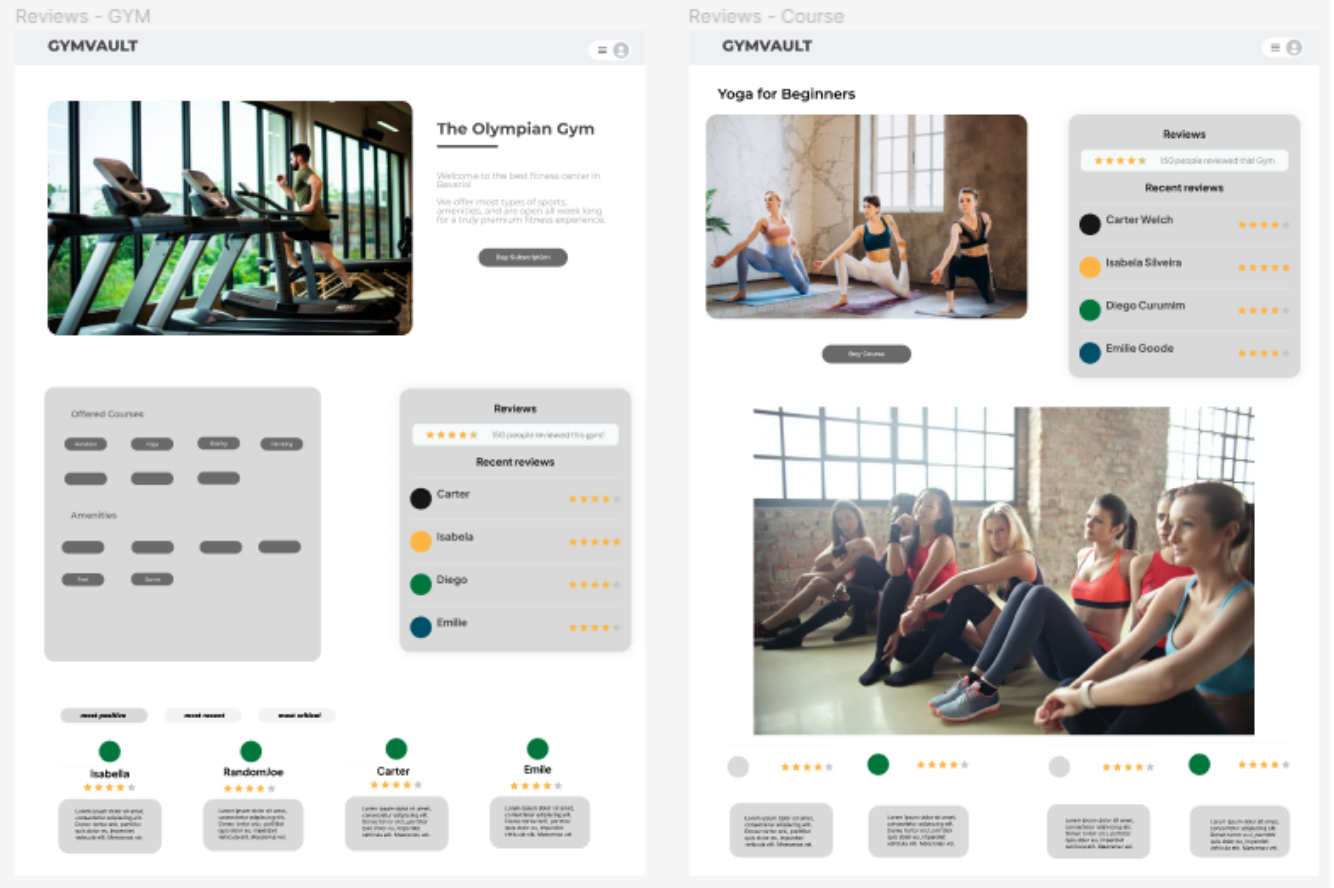

Expired Memberships
In memoriam
Boulder Welt Munich East
PLAZA, Hanne-Hiob-Straße 4, Munich
pass
Rock Climbing
365€
Bouldering + Climbing
24h, all inclusive yearly ticket. Bring your own shoes!
Yearly subscription to all BoulderWelt facilities, including both bouldering and all (manual or auto-belay) lead routes.
Rate this course
Started 01.01.2021
Ended 31.12.2021
€ 365 Total paid

Use Case 3: Review and Feedback System

Users can view the reviews for a particular course or fitness center. Customers who have paid for a subscription have the option of posting a review of a gym or course. The reviews can be found on the details page dedicated to a course or fitness center. Users with an active or expired subscription who wish to provide feedback on it can do so by browsing their home profile and submitting their insights there.

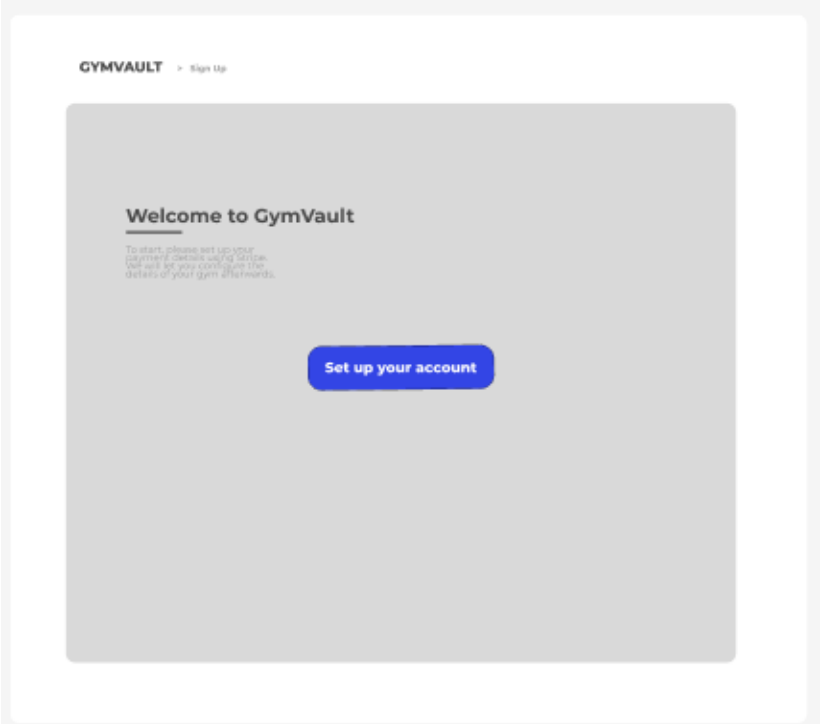
Users with a subscription can review a course or gym under userprofile -> Subscriptions -> write a review. Users without a subscription can see reviews for the course or gym on their respective details page.

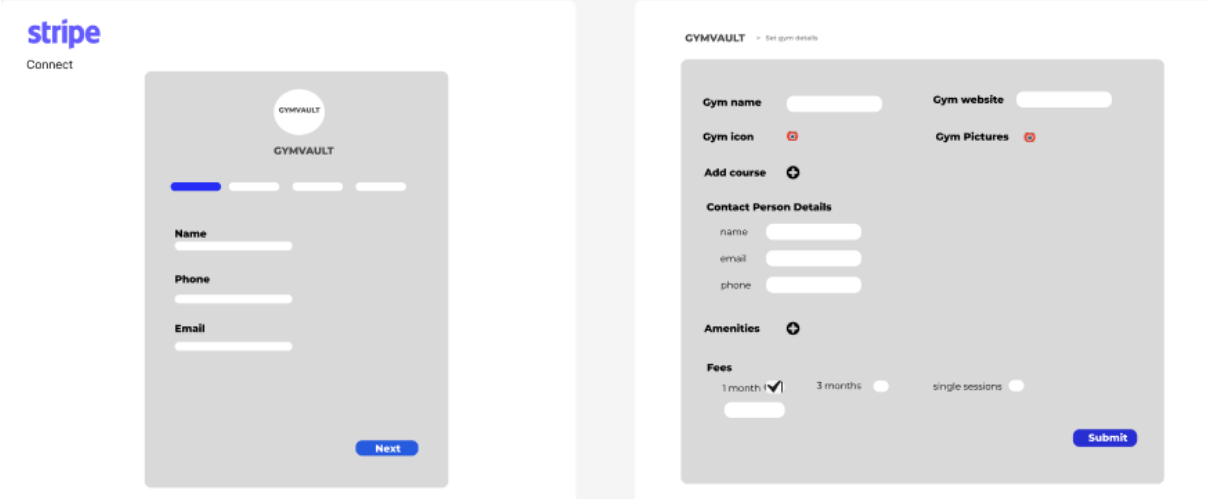
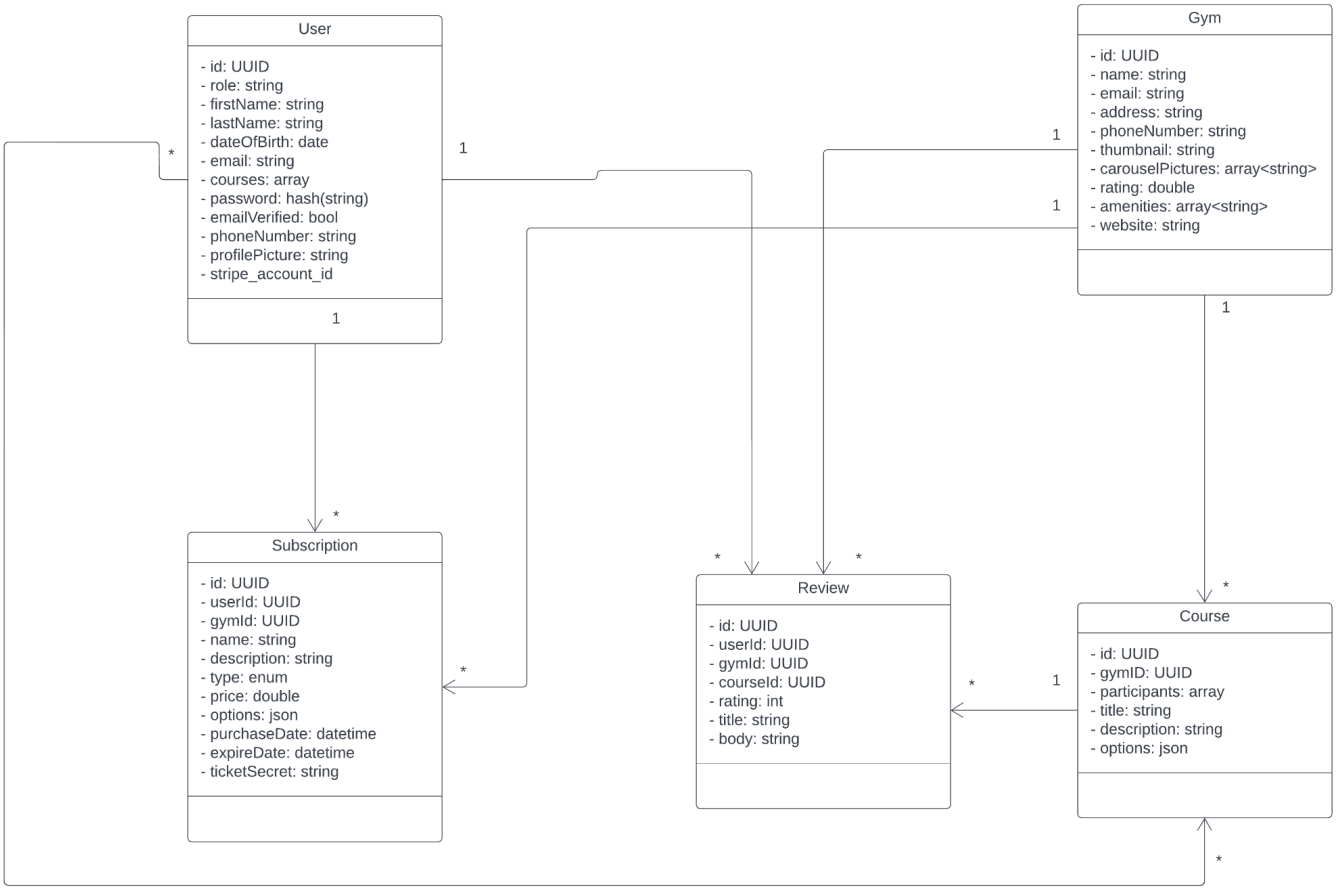

GYMVAULT
Expired Memberships
In memoriam
How was your experience?
submit
Boulder Welt
PLAZA, Hanne-Hiob-Straße 4, Mun
pass
365€
Bouldering + Climbing
24h, all inclusive yearly ticket. Bring your own shoes!
Rock Climbing
Yearly subscription to all BoulderWelt facilities, including both bouldering and all (manual or auto-belay) lead routes.
Started 01.01.2021
Ended 31.12.2021
€ 365 Total paid
Rate this course
write a review


Reviews - GYM
GYMVAULT
The Olympian Gym
Offered Courses
Amenities
Reviews
Recent reviews
Carter
Isabela
Diego
Emilie
Isabela
RandomJoe
Carter
Emilie
Reviews - Course
GYMVAULT
Yoga for Beginners
Reviews
Recent reviews
Carter Welch
Isabela Silveira
Diego Curumim
Emilie Goode

Use Case 4 : Onboarding Gym Owners

Gym owners receive credentials from GymVault's administrators and, if they had not done so yet, get prompted to onboard to Stripe Connect service by clicking on the "Set up your account" button. This launches Stripe Connect's onboarding form in an external tab and the owner fills in their personal and card details. This associates a Stripe Account ID with that owner and so the gym owner can now receive payments for subscriptions from GymVault's Stripe account. The gym owner is then redirected to enter their gym's details like amenities, courses and any additional information.





UML Class Diagram