

# Software Engineering for Business Applications: Web Application Engineering

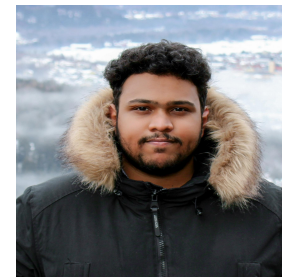
## Use Cases, Mockups and Class Diagram Team 25



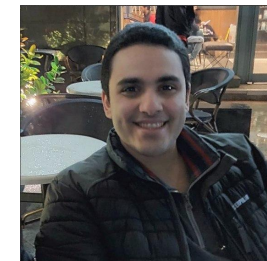
**Nada Boukhari**  
(MSc.) Data Engineering  
Analytics



**Raffaele Tranquillini**  
(MSc.) Informatics



**Sathwik Amburi (MSc.)**  
Informatics

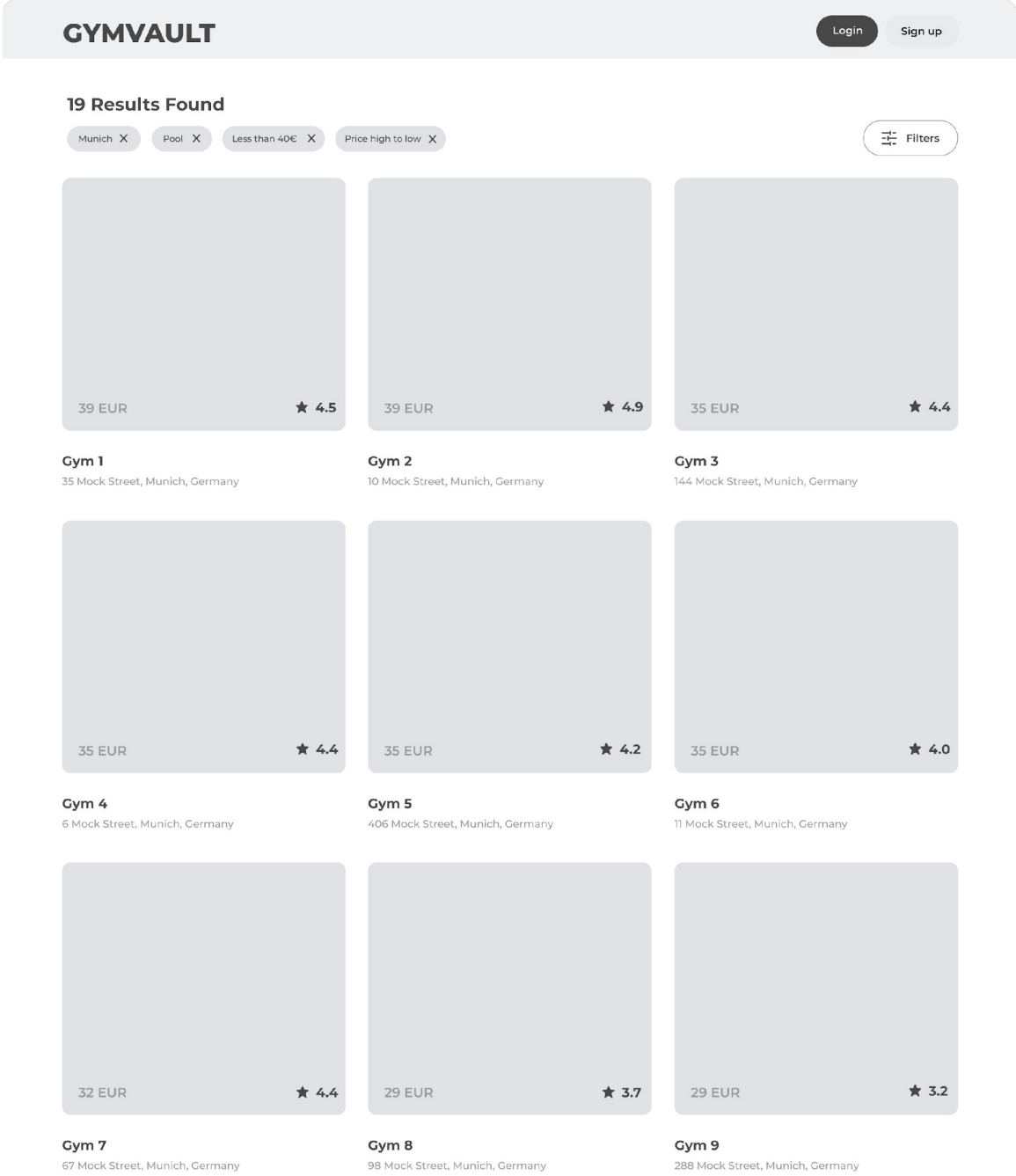
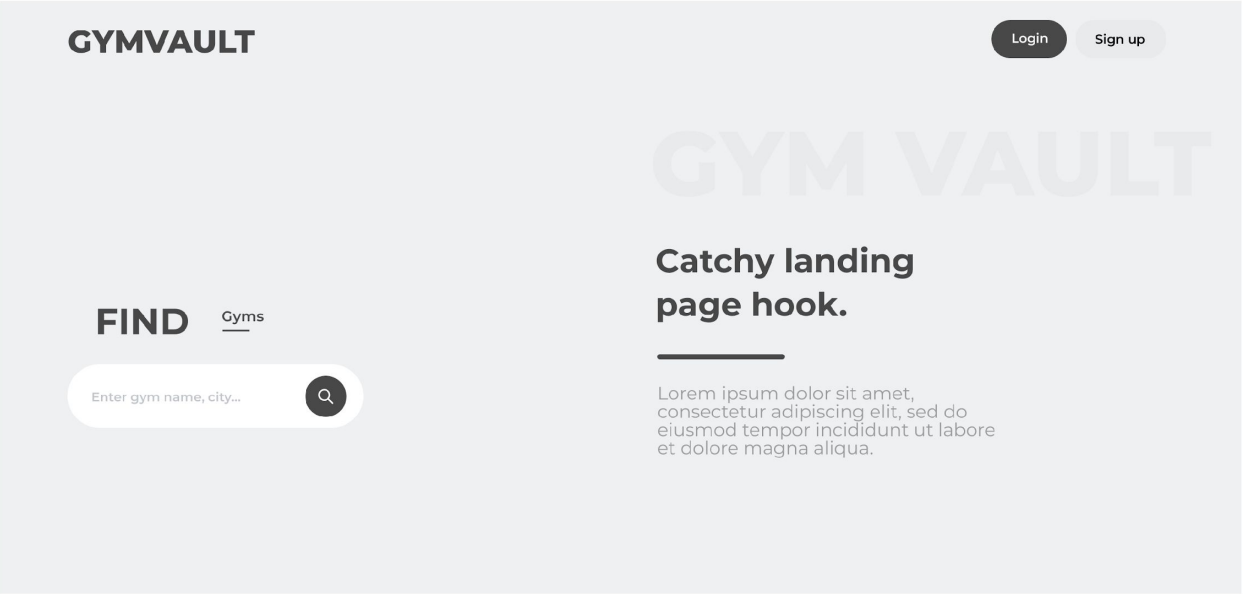


**Mohamed Ghanem**  
(MSc.) Data Engineering  
Analytics

Gym Vault is an online platform to help gym owners and potential gym clients connect by allowing clients to browse a gyms catalog, choose the gym that matches their needs and pay for what they use digitally.

- Use Case 1: Gym Searching and Filtering
- Use Case 2: Booking, Checkout and Subscription Management
- Use Case 3: Review and Feedback System
- Use Case 4: Onboarding Gym Owners

# Use Case 1: Gym Searching and Filtering



# Use Case 2: Booking, Checkout and Subscription Management

GYMVAULT

My Tickets



course

## ZHS Hochschulsport

Connollystraße 32, Munich

28€

Basic Ticket

Includes registration,  
max. 4 entrances/week

99€

VIP Ticket

24h entry (auto scan),  
premium equipment

### Optionals

16€

Equipment Rental

Rent mat and accessories  
during course sessions

free

Special Needs

Require assistance for  
disability

## Yoga for Beginners

A basic course varying over Hatha Yoga, and meditation practices. Unlike the more static and strengthening Hatha yoga style, a Vinyasa class is very dynamic.

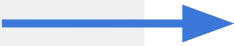
The physical exercises, the so-called asanas, are not practised individually, but are strung together in flowing movements.

### Your Order

€ 99 VIP Ticket  
€ 16 Equipment Rental

€ 115 Total due

Secure Checkout



stripe

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

A basic course varying 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.

**16€**  
Equipment Rental  
Rent mat and accessories during course sessions

**99€**  
VIP Ticket  
24h entry (auto scan), premium equipment

Starts 12.02.2022  
Ends 12.12.2022

€ 115 Total paid

### Boulder Welt Munich East

PLAZA, Hanne-Hiob-Straße 4, Munich

### pass

#### Rock Climbing

Yearly subscription to all BoulderWelt facilities, including both bouldering and all (manual or auto-belay) lead routes.

**365€**  
Bouldering + Climbing  
24h, all inclusive yearly  
Bring your own shoes!

**35€**  
Sauna Access  
Access to internal sauna.  
Bring your own beer :)

Starts 01.01.2022  
Ends 31.12.2022

€ 400 Total paid

### Expired Memberships

In memoriam

### Boulder Welt Munich East

PLAZA, Hanne-Hiob-Straße 4, Munich

### pass

#### Rock Climbing

Yearly subscription to all BoulderWelt facilities, including both bouldering and all (manual or auto-belay) lead routes.

**365€**  
Bouldering + Climbing  
24h, all inclusive yearly ticket. Bring your own shoes!

Started 01.01.2021  
Ended 31.12.2021

€ 365 Total paid

Rate this course

☆☆☆☆☆



This subscription is active.

### ZHS Hochschulsport

Connollystraße 32, Munich

### course

#### Yoga for Beginners

A basic course varying 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.

**VIP Ticket**  
24h entry (auto scan), premium equipment

**16€**  
Equipment Rental  
Rent mat and accessories during course sessions

€ 115 Total paid

Valid from 22.05.2022 Expires on 22.12.2022

Print Ticket

Your unique access identifier code is:

**1055 2045 3984 // Cat Stevens**

This cannot be shared. An ID card check might be required.

# Use Case 3: Review and Feedback System



### Expired Memberships

In memoriam

#### Boulder Welt

PLAZA, Hanne-Hiob-Straße 4, Mun

365€

Bouldering + Climbing

24h, all inclusive yearly ticket. Bring your own shoes!

Started 01.01.2021

Ended 31.12.2021

€ 365

Total paid

#### Rock Climbing

Yearly subscription to all BoulderWelt facilities, including both bouldering and all (manual or auto-belay) lead routes.

Rate this course

☆

☆

☆

☆

☆

write a review

How was your experience?

submit

pass

© sebis

6



The Olympian Gym

Welcome to the best fitness center in Bavaria!

We offer most types of sports, amenities, and are open all week long for a truly premium fitness experience.

Buy Subscription

Offered Courses

Aerobics Yoga Bowling Climbing

Amenities

Pool Sauna

Reviews

★★★★★ 150 people reviewed this gym!

Recent reviews

- Carter ★★★★★
- Isabela ★★★★★
- Diego ★★★★★
- Emilie ★★★★★

most positive

most recent

most critical

Isabella  
★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

RandomJoe  
★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

Carter  
★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

Emile  
★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

Yoga for Beginners



Buy Course

Reviews

★★★★★ 150 people reviewed this! Gym

Recent reviews

- Carter Welch ★★★★★
- Isabela Silveira ★★★★★
- Diego Curumim ★★★★★
- Emilie Goode ★★★★★



★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

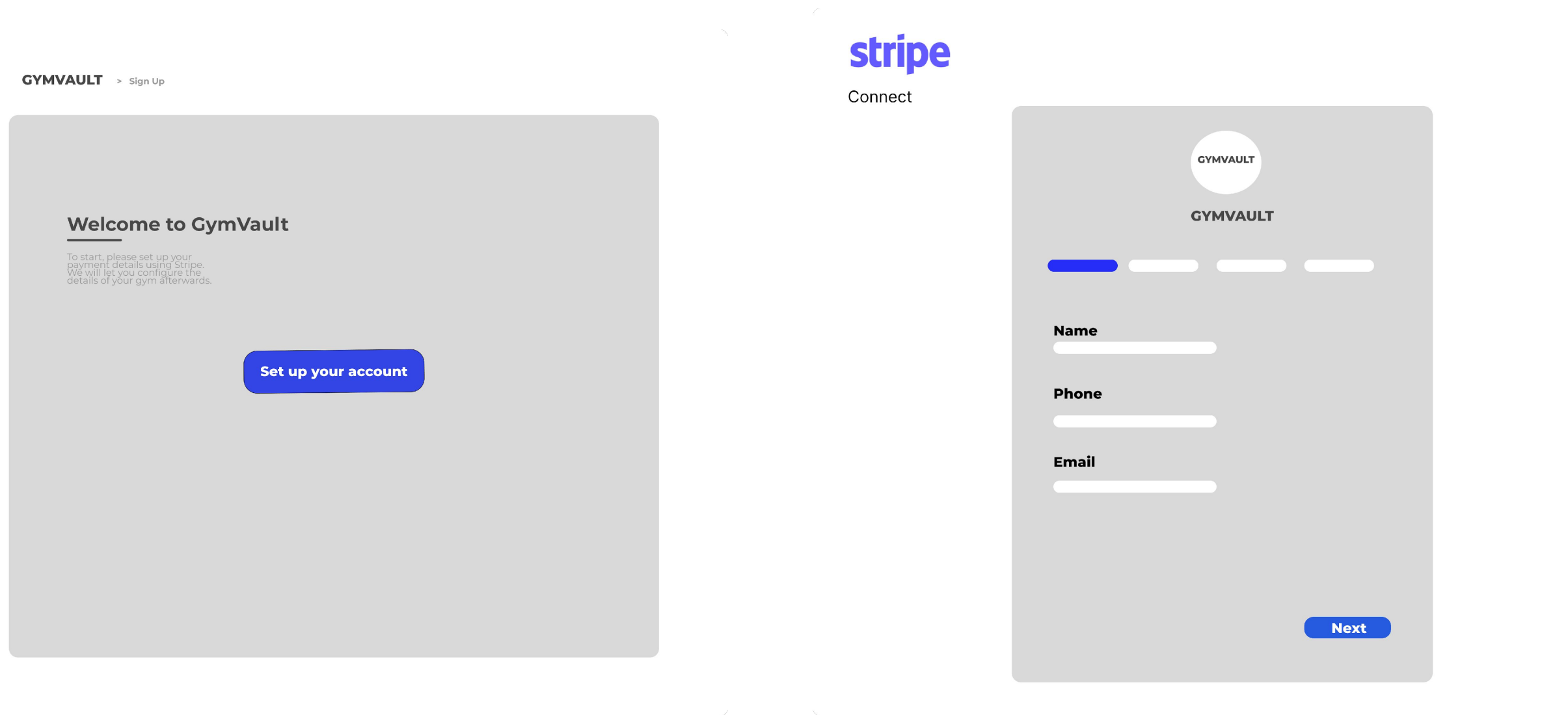
★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

★★★★★

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec titor orci, porttitor quis dolor eu, imperdiet vehicula elit. Maecenas vel.

# Use Case 4 : Onboarding Gym Owners





Gym name

Gym website

Gym icon



Gym Pictures



Add course



#### Contact Person Details

name

email

phone

Amenities



#### Fees

1 month ☒

3 months ☐

single sessions ☐

Submit

# UML Class Diagram

