

A watercolor illustration of a two-story Italian villa with a terracotta roof and three chimneys. The house has light pink walls and blue shutters. In front of the house is a swimming pool with a stone border. The garden is lush with greenery, including tall cypress trees, various shrubs, and large clumps of white and blue irises. Two lounge chairs are placed near the pool. The overall style is soft and painterly, with a warm, sunny atmosphere.

# LA CASA MIA

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The background of the slide is a soft, painterly illustration of a Mediterranean-style villa. The house is two stories high with a terracotta roof, several windows with green shutters, and a balcony with potted plants. In front of the house is a swimming pool, and the foreground is filled with lush greenery and white and blue flowers. The entire scene is bathed in a warm, golden light, giving it a dreamy, artistic feel.

## WHAT IS LA CASA MIA?

- an online booking system for accommodation
- users can book a room in a 6-room house in Italy
- guests can leave review and rating after their stay
- birthday discounts for users
- admin interface for managing reservations and rooms



The background of the slide is a soft-focus, painterly illustration of a Mediterranean-style villa. The villa has a terracotta roof, light-colored walls, and several windows with dark shutters. In the foreground, there is a swimming pool with a wooden deck and lounge chairs. The garden is filled with various plants, including tall cypress trees and clusters of white and blue flowers. The overall atmosphere is warm and serene.

# APPLICATION FUNCTIONALITY

## GUEST:

- registration and login
- room reservation form
- reviews and star ratings
- birthday discount system
- edit profile, change password

## ADMIN:

- login
- confirm or cancel reservations
- moderate reviews and ratings
- manage room prices and availability



The background of the slide is a soft, painterly illustration of a Mediterranean-style villa. The villa has a terracotta roof, white walls, and arched windows with blue shutters. In the foreground, there is a swimming pool reflecting the sky, surrounded by lush greenery and clusters of white and blue flowers. The overall atmosphere is warm and serene.

# TECHNOLOGIES USED

- **Frontend:** React, JavaScript, HTML5, CSS3, Bootstrap
- **Backend:** Node.js, Express.js, JavaScript
- **Database:** PostgreSQL
- **Hosting:** Render.com





# PROJECT EVALUATION

- **What went well:**
  - ✓ successfully implemented the core application
  - ✓ fully working guest and admin features
- **Challenges:**
  - authentication implementation
  - birthday discount feature
- **Time management:**
  - ✓ Some minor delays, but overall deadlines were met



The background of the slide is a soft, painterly illustration of a Mediterranean-style villa. The villa has a terracotta roof, white walls, and several windows with blue shutters. Some windows have small flower boxes. In front of the villa is a swimming pool with a stone border. The pool is surrounded by lush greenery, including tall cypress trees and various flowering plants, including white and blue irises in the foreground. The overall atmosphere is peaceful and idyllic.

# CONCLUSION & FUTURE PLANS

- **Result:**
  - ✓ fully working web application for room booking
- **Future (potential) improvements:**
  - some visual improvements
  - online payment integration
  - multilingual support (SK, CZ, EN, IT)



A watercolor illustration of a two-story Mediterranean villa with a swimming pool and lush garden. The villa has a terracotta roof, light-colored walls, and green shutters. It is surrounded by tall cypress trees and various plants. In the foreground, there is a swimming pool with a stone border, and two lounge chairs are placed near the pool. The garden is filled with white and blue irises, and other flowering plants. The overall scene is peaceful and idyllic.

THANK YOU FOR  
YOUR ATTENTION!