# ContinuousCare

## PERSONAL MONITORING SYSTEM OF CLINICAL & ENVIRONMENTAL CONDITIONS

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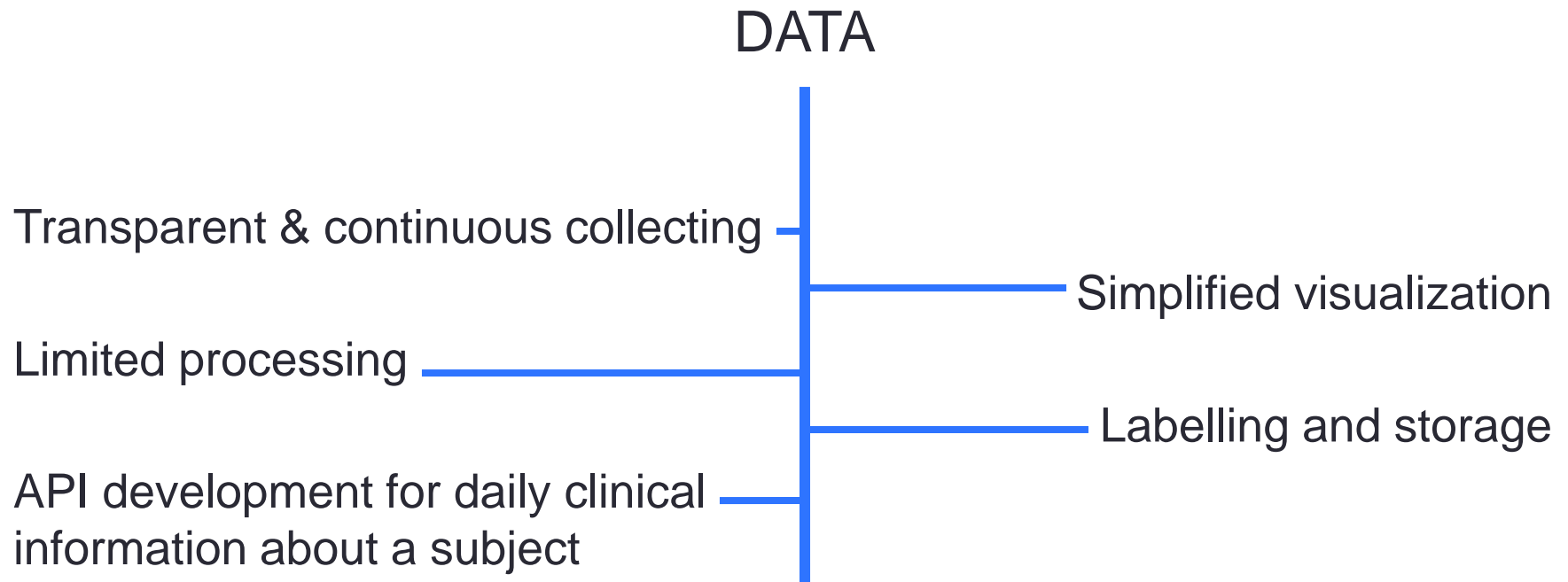Filipe Pires (85122)

João Alegria (85048)

# Contextualization

- Increased proliferation of **mobile devices for monitoring** vital signals and physical activity
- Use of **geolocation** to keep track of the environment the patient was exposed to
- Need for quality labelled quotidian data in the medical field

→ **A new paradigm of medical monitorization**

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# Goals

DATA

Transparent & continuous collecting

Simplified visualization

Limited processing

Labelling and storage

API development for daily clinical information about a subject
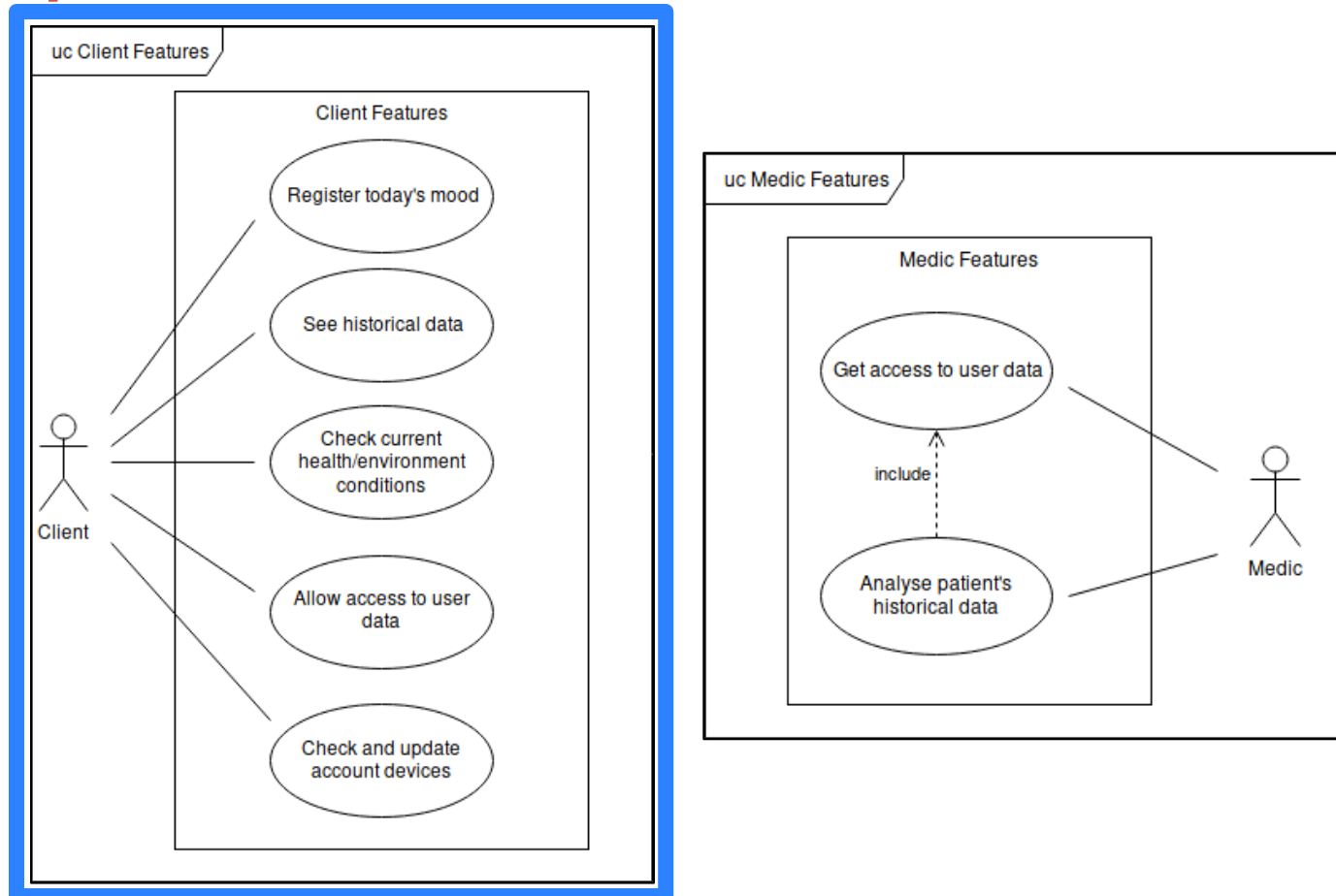
# Requirements Elicitation



Figure 1: Use Cases - Client and Doctor Features

# System Architecture
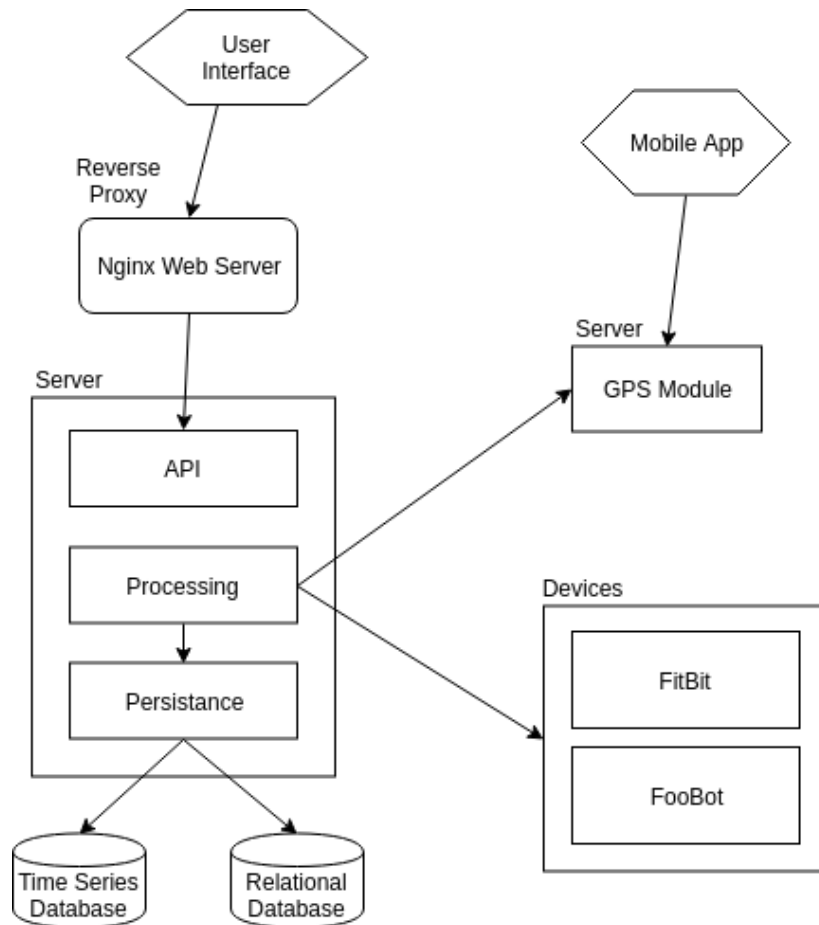


Figure 2: Architecture Diagram

- Strategy:
  - Deployment Plan
  - Modular Architecture
  - Public REST API
- Changes Done:
  - Separate Geolocation
  - Mobile App Integration
- Future Changes:
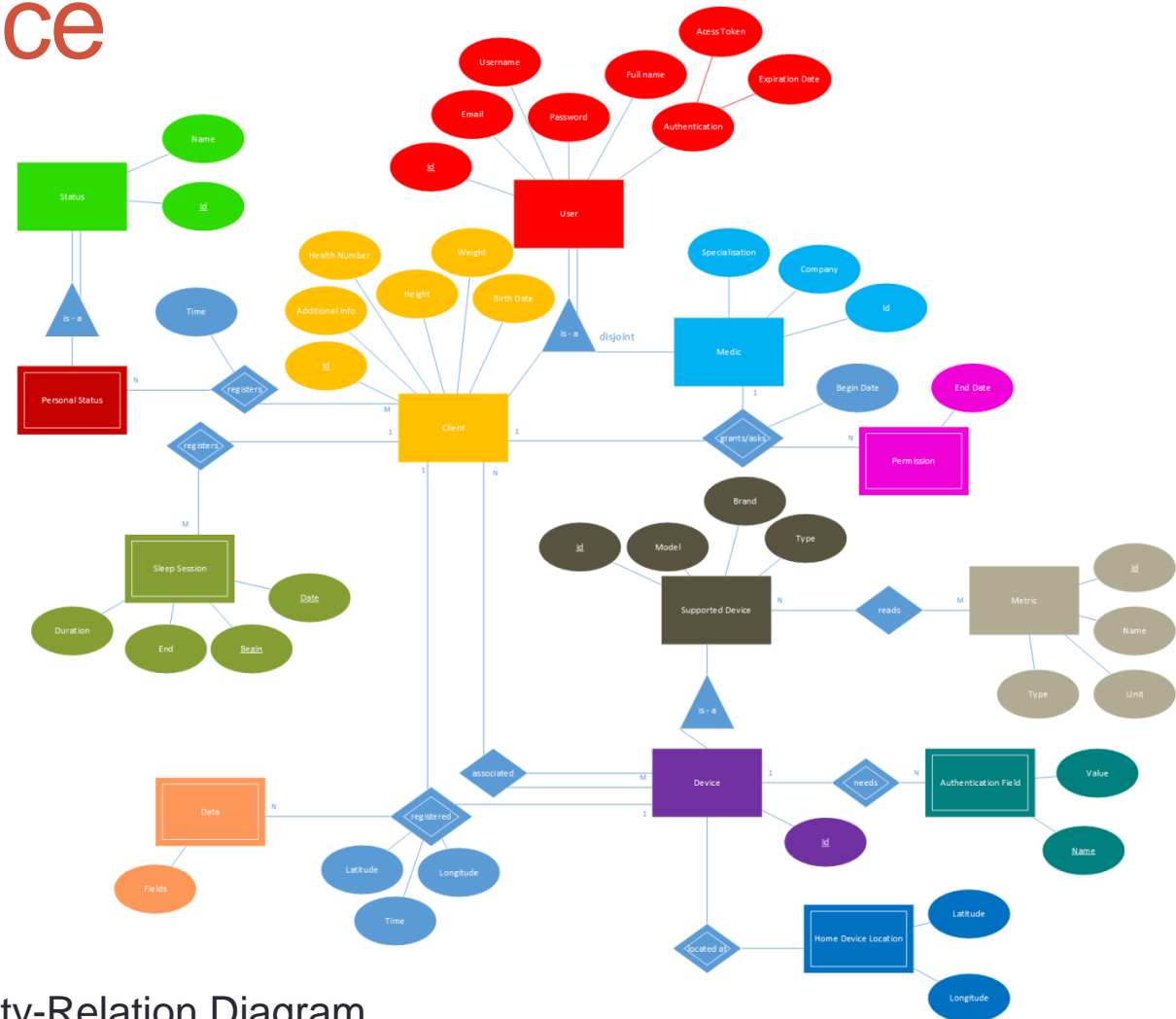  - API Gateway

# Persistence



Figure 3: Entity-Relation Diagram

# Following Steps

- Client Daily-Mood Registration
- Doctor-Account Integration
- Client-Doctor Interaction
- Mobile and Web Apps Refinement
- Improved Data Treatment for External APIs

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# DEMO

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# QUESTIONS?

For more information, please check our CodeUA Project:
*http://code.ua.pt/projects/personal_monitoring_system/wiki*

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