



ISEL

ADEETC

Área Departamental de
Engenharia Electrónica e
Telecomunicações e
de Computadores

ToDo - System for managing user's To Do list

Bachelor in Software Engineering

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Outline

- Introduction and Problem
- Solution Architecture
- Future Work

Introduction - Motivation



We create small reminders, either virtually or physically, to do something, whatever that may be. Those little notes we give to ourselves, those "to-do's" are often forgotten or not fully fulfilled.

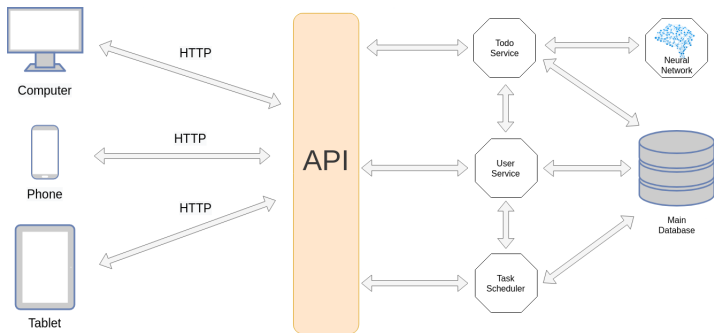
Introduction - Solution

The solution? Applications that allow an user to create reminders, *e.g. Todoist, Google Calendar*

They, however, suffer of one or more disadvantages, from:

- Proprietary code
- Lack of image recognition
- Lack of prioritization

Architecture - High Level View

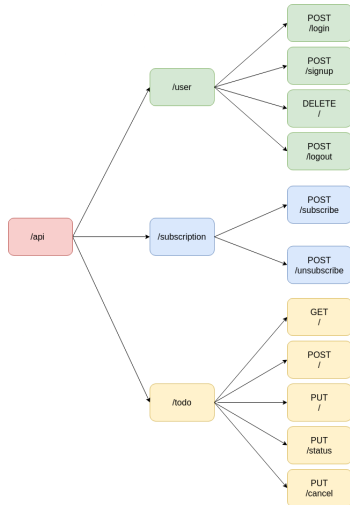


A High Level View of the Architectural organization

Architecture - Components

- Client application:
 - Written in Typescript
 - Angular 12 for the user interface
- Server application:
 - Written in Typescript transpiled to Javascript for Node.js
 - Neural Network written in Python
 - Exposes a REST Web API to be used by the clients
 - Uses PostgreSQL for the database

Web API



Overview of the API paths

Future Work

- Mobile app
- Location synchronization
- Natural language comprehension
- Minor improvements