# Frontend Engineer Test - Scuola42

## Available API:

<https://mobile.digistat.it/CandidateApi>  
Swagger documentation available at:   
https://mobile.digistat.it/CandidateApi/swagger/index.html

The APIs are protected with HTTP Basic Authentication:  
User: test  
Password: TestMePlease!

## Required Technology

The application must be developed using React.

## Required Functionalities

The application must manage entities of type “Patient”. Each patient consists of:

- ID (int)  
- FamilyName (string)  
- GivenName (string)  
- BirthDate (date)  
- Sex (string)  
- Parameters (array of parameter objects)

Each parameter consists of:

- ID (int)  
- Name (string)  
- Value (string)  
- Alarm (boolean)  
(see Swagger documentation for details)

## Functionality Levels

### LEVEL 1:

A grid displaying all available patients (/Patient/GetList). For each patient, the following fields must be shown:

- FamilyName  
- GivenName  
- Sex  
- Birth Date (in a human-readable format)  
- Number of parameters associated with the patient

PLUS: A red icon or label if at least one parameter has Alarm = true.

### LEVEL 2:

The grid must be filterable and sortable.

### LEVEL 3:

Clicking on a grid item should open a Detail/Edit dialog. The dialog must display the same data as in the grid and, additionally, the list of parameters for the selected patient (in a non-editable grid).

### LEVEL 4:

The Detail/Edit dialog should allow the user to edit patient data (FamilyName, GivenName, Sex). Updated data must be saved using the /Patient/Update endpoint.