

SIGN UP PROJECT

Single page application with a great scalable and reusable architecture using react and dynamic forms and validations



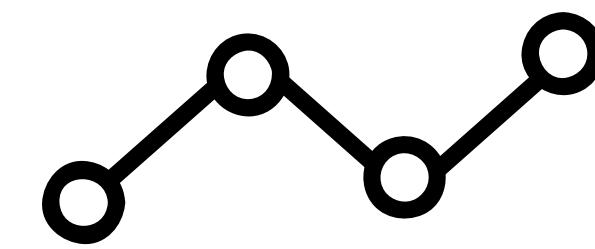
EIMARD SOBRINO ZURERA
Software engineer

JULY 2020



DOWNLOAD

<https://gitlab.com/esobrinoz/eszsw-signup-app>



Login

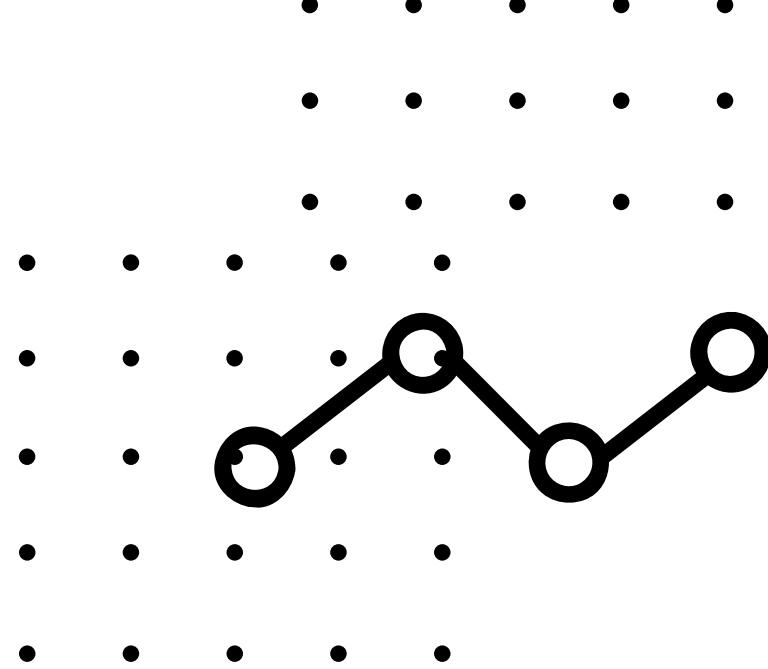
Email *

Password *

Sign In

Forgot your password? [Change it now!](#)

ESZ
SW



ANGULAR

FRAMEWORK



TECHNOLOGICAL STACK

ANGULAR 9

Used the latest Angular version

HTML / CSS / SASS

CSS3, and its preprocessor Sass



JS / TS - RXJS

TypeScript v 3.7.5 and RxJS v 6.5.4

JASMINE & KARMA

Used for unit testing

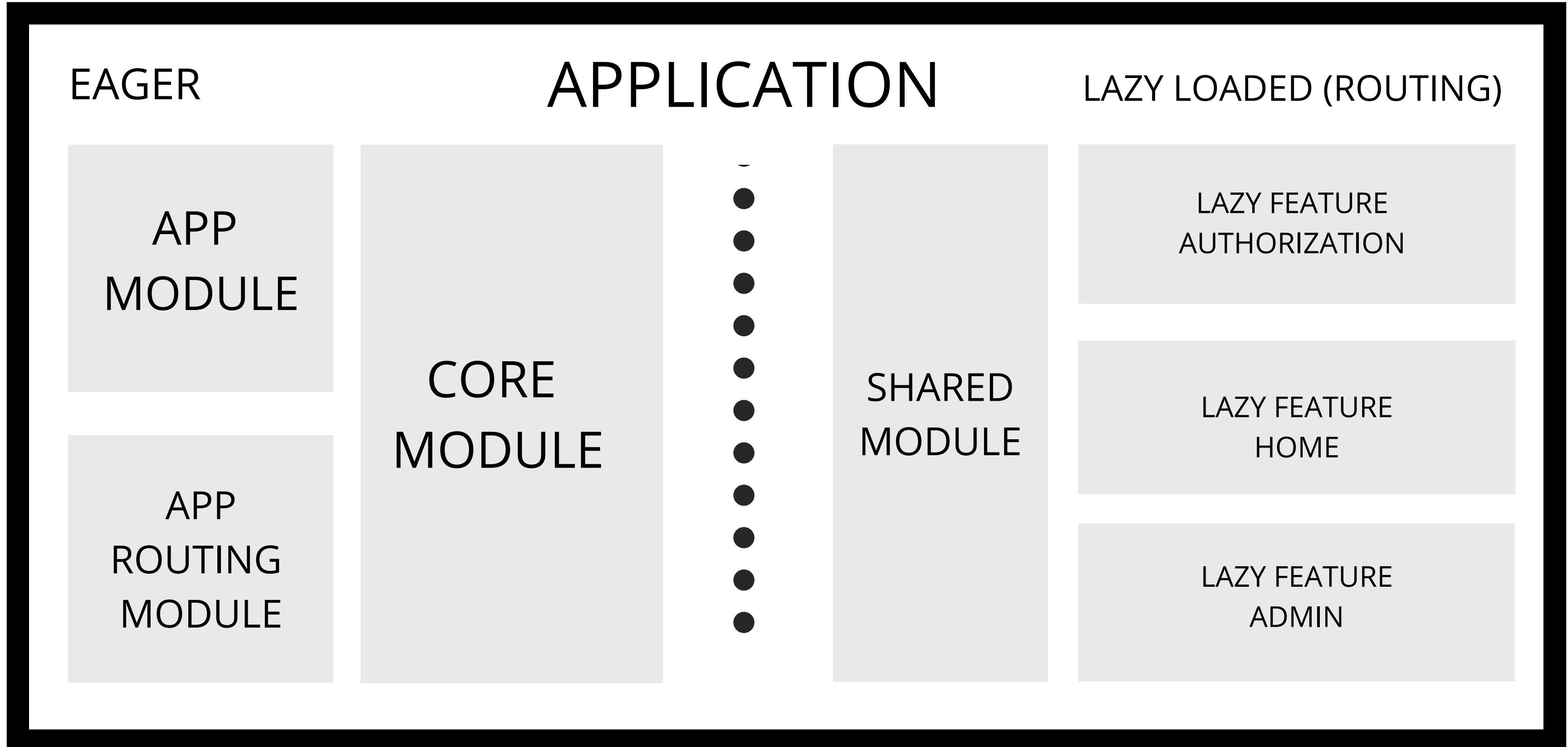


WEB PACK Analytics

Manage js bundle size and files

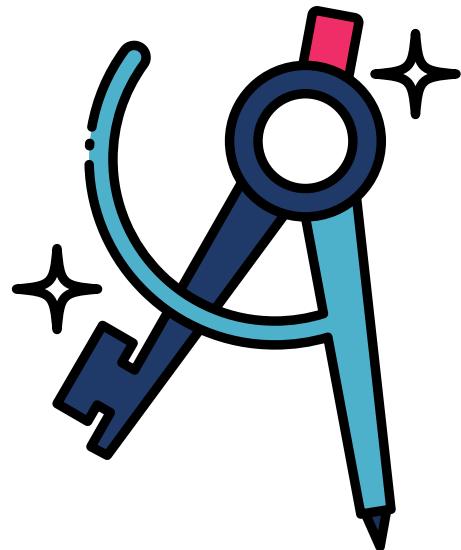


ARCHITECTURE



ARCHITECTURE

Great balance between small bundle size and great user experience!



CORE MODULE

CoreModule for application **wide singleton** services, **base layout** and **any** other **stuff** which we will **need from** straight from application **startup**. **REDUCING BUNDLE SIZE**

SHARED MODULE

Reusable components, directives, and pipes (**declarables**) that will be shared **by lazy features**. **NOT CORE INCLUDED!**

GREAT USER EXPERIENCE

LAZY LOADED MODULE

Lazy modules with respective **child routes** that will implement the feature **business logic** (services) and **views** (components) that are specific to that feature. **IMPROVING PERFORMANCE**

REACTIVE PROGRAMMING

Reactive programming and RxJs library applying asynchronous programming paradigm concerned with data streams and the propagation of change, **IDEAL FOR FORMS**



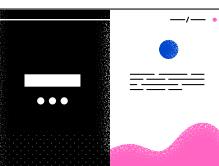
REACTIVE FORM

VALIDATIONS, CHANGE DETECTION, SUBSCRIPTIONS, ETC.



DYNAMIC

LESS CODE, SCALABLE, INTUITIVE, AUTOMATIC



REUSABLE

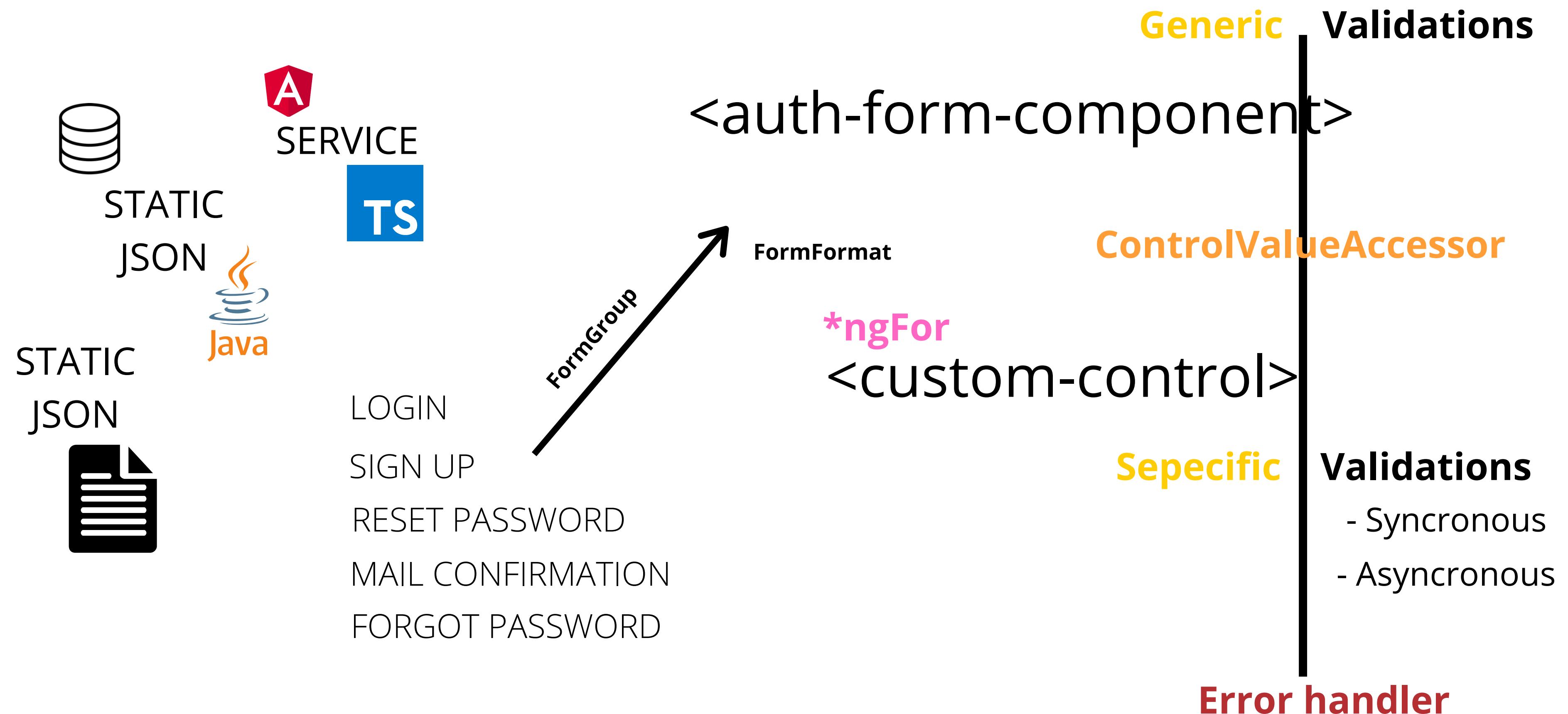
LOGIN, SIGN UP, RESET-PASSWORD, MAIL CONFIRMATION, FORGOT PASSWORD



ISOLATED AND CUSTOM

NO SIDE EFFECTS, EASY TESTING AND COUPLING/DECOUPLING

REACTIVE REUSABLE DYNAMIC FORMS



HTML && WCAG

Web Accessibility principles

Strong scalable structure

Reusable design

Use proper document structure

Not Inline styles

Validate frequently

Meaningful tags



CSS

Using SASS preprocessor



CSS



Manual GRID

Emulating CSS Grid,
Material Grid, bootstraps

Nomenclature BEM

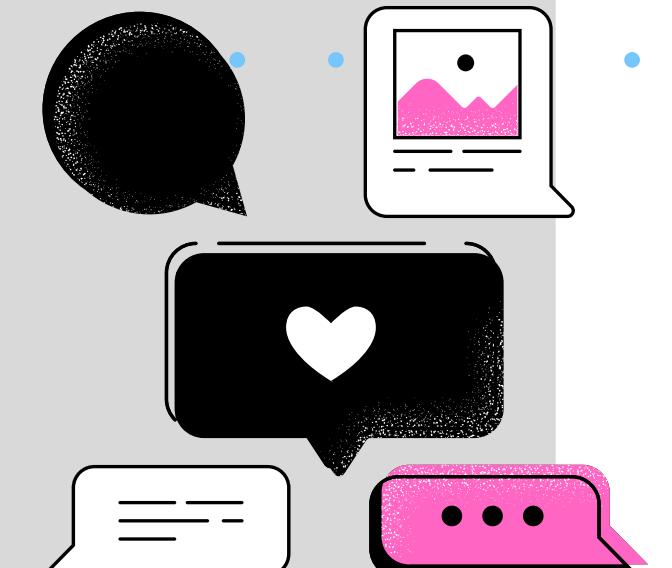
Useful for tracking of classes
and use of Variables

Reusable structure

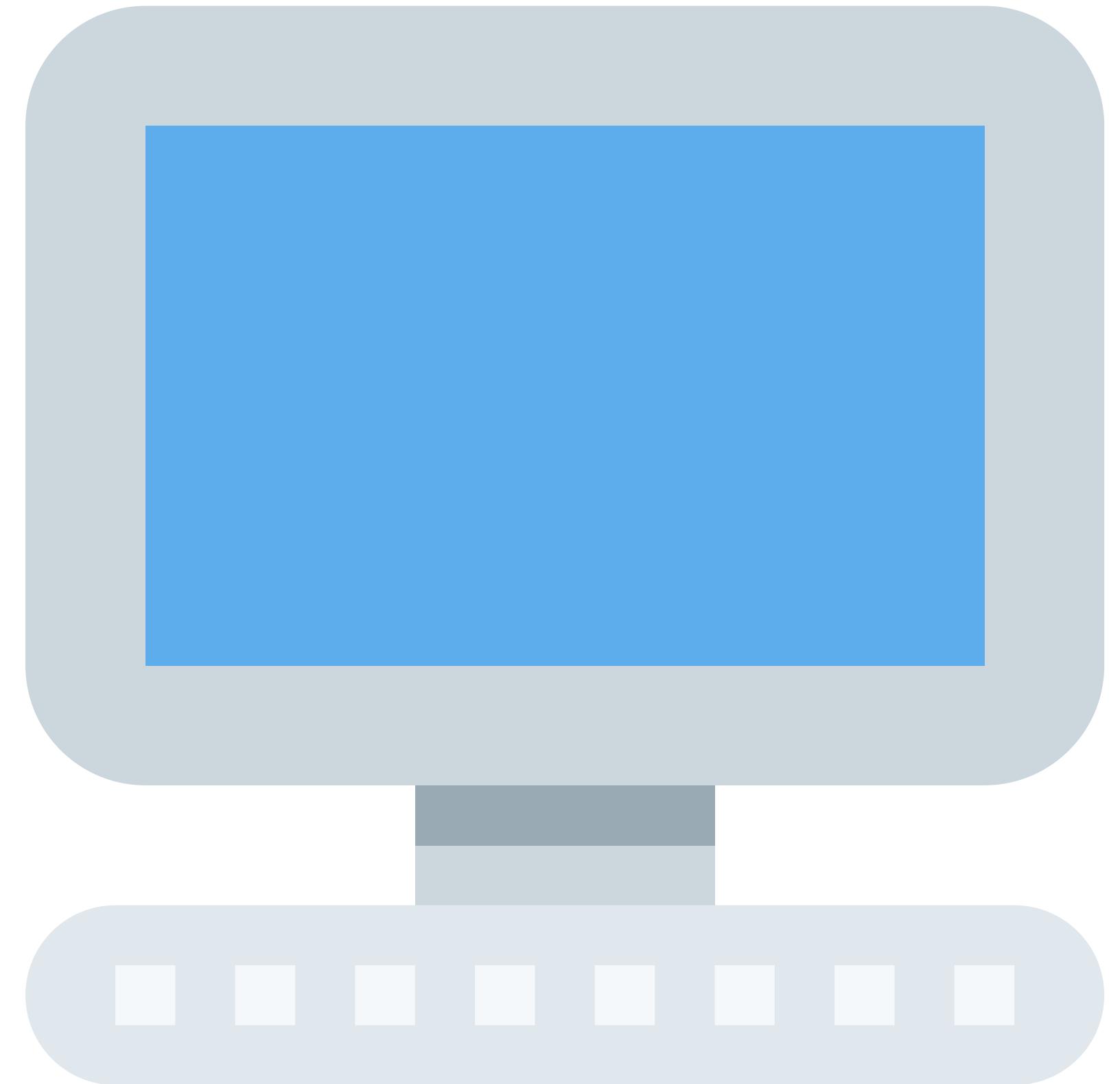
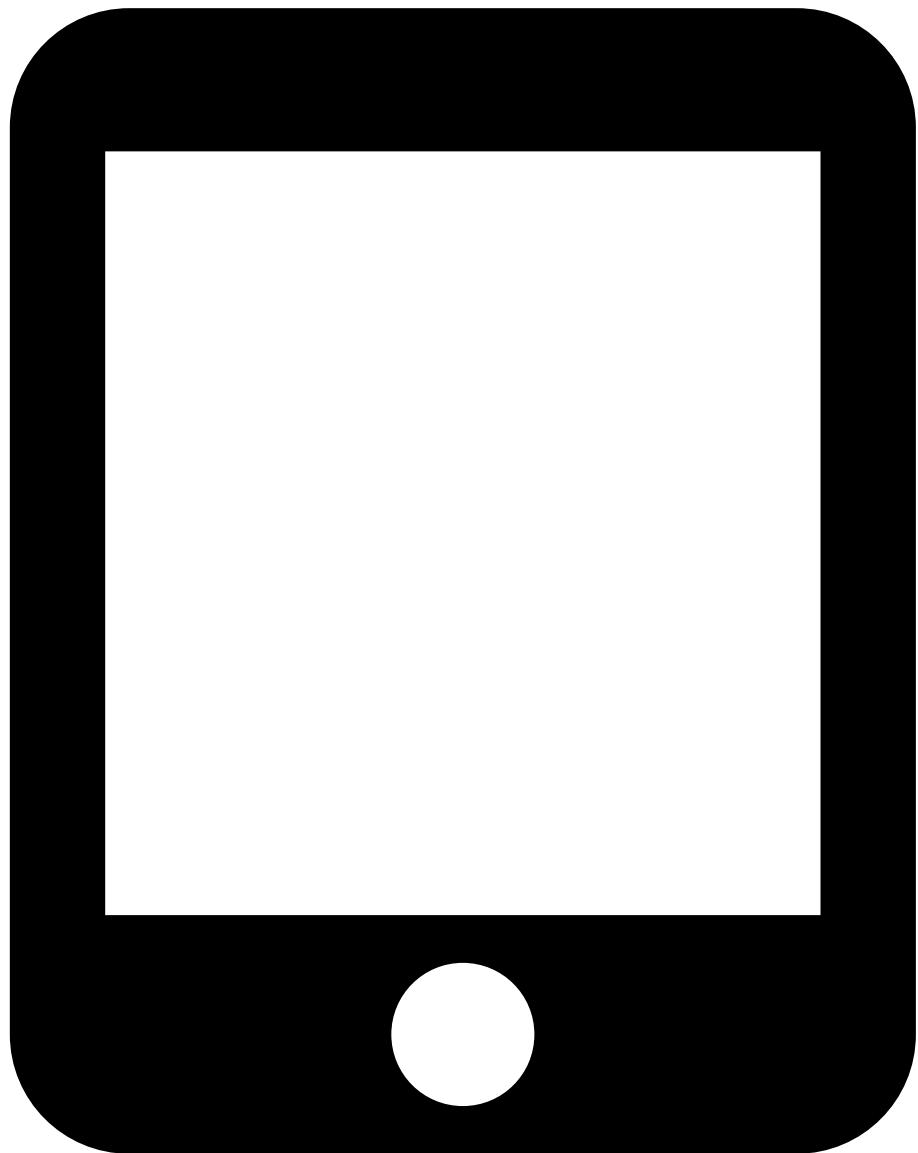
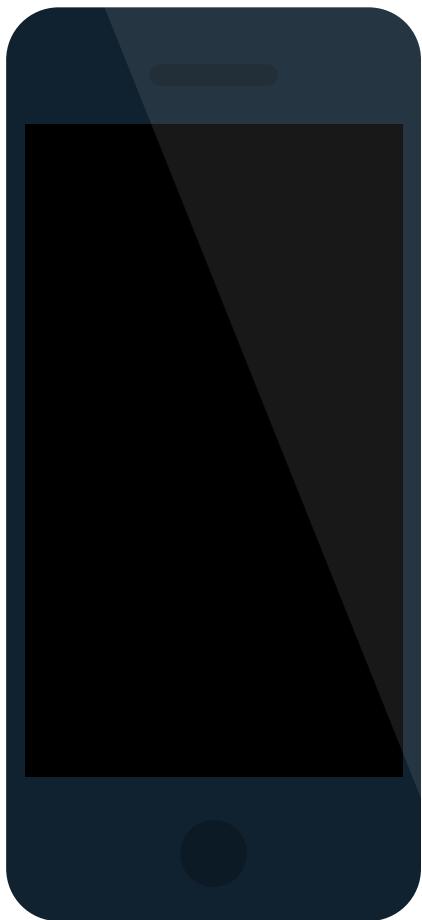
Use of generic styles via
ViewEncapsulation and sass
imports. Scalability

All browsers support

Use of variables an



Responsive Design



TESTS

ng test

Karma v4.3.0 - connected

Chrome 84.0.4147 (Windows 10.0.0) is idle

31 specs, 0 failures, 1 pending spec, randomized with seed 62759

```
AuthService
  • should be created

MainLayoutComponent
  • should create

AccountService
  • should be created

AsideLeftComponent
  • should create

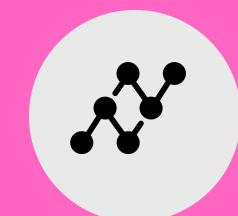
CompleteFormGuard
  • should be created

AuthGuard
  • should be created

HeaderComponent
  • should create

SignupComponent
  • should create

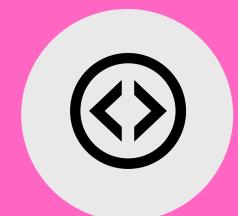
AuthFormComponent
  • form should be valid when onSubmit() PENDING WITH MESSAGE: Temporarily disabled with xit
  • should create
  • email with bad format should be invalid
  • firstname empty should be invalid
  • component initial state
  • email empty should be invalid
  • password with less than 8 charactares should be invalid
  • lastname empty should be invalid
  • password empty should be invalid
```



ISOLATED TESTS



SHADOW TESTS



INTEGRATED TESTS

 **Jasmine**
+  **KARMA**

UTIL



Guards

canActivate

canDeActivate

canLoad



Error Handler

HTTP INTERCEPTOR



Clean code principles

KISS DRY TED SOLID



Loading component



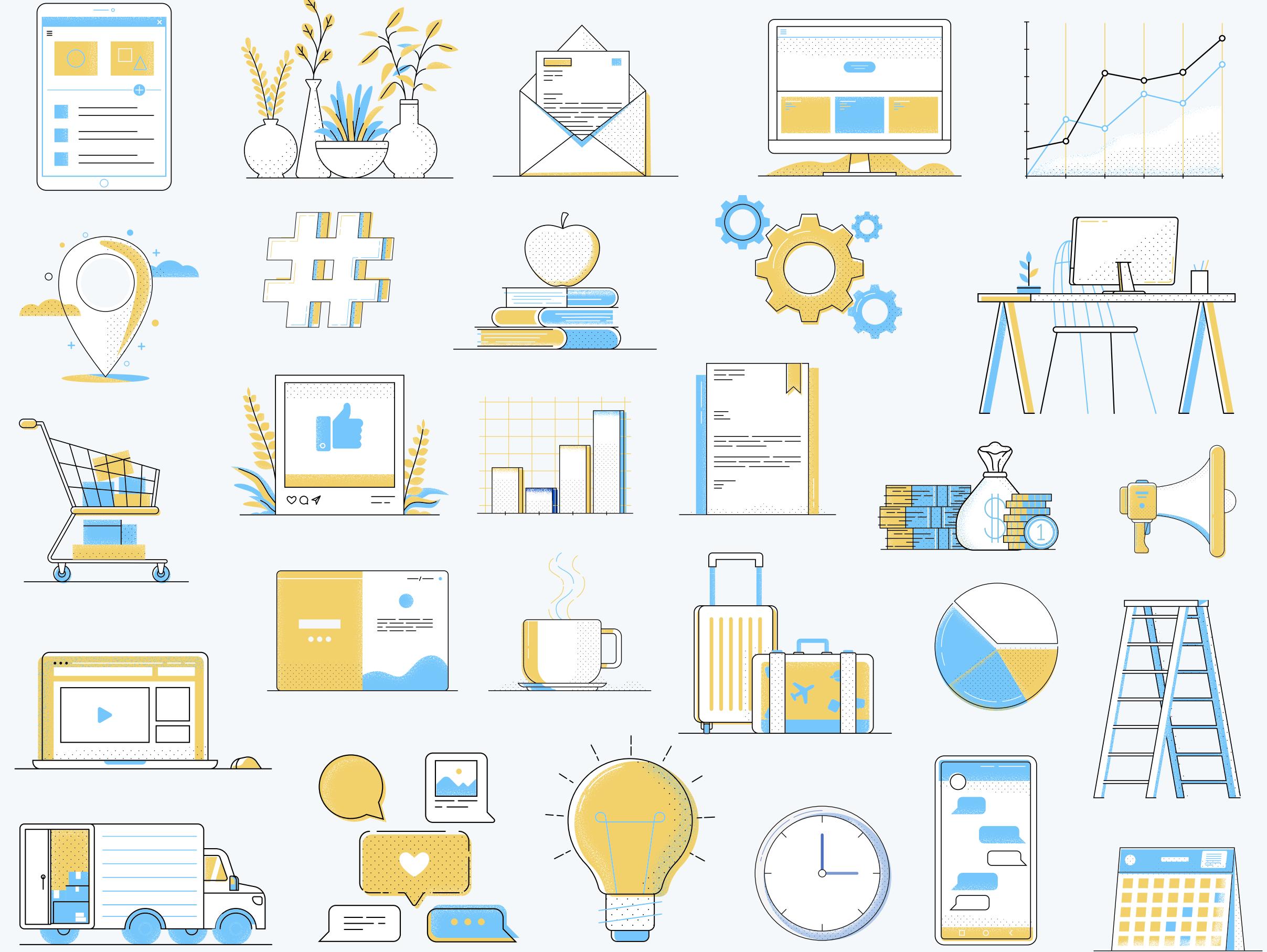
Mocks and API REST



Advance angular features

External Libraries

Angular material, crypto-js,
webpack-bundle-analyzer,
icons





UI - UX

Understandable and pleasing to
use design

ACHIEVEMENTS

Correctness



Code quality



Clean code principles



And Specially ...

Motivation to enjoy working
with



Testing



UX

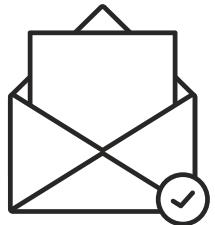


Documentation

you and

The TEAM





eimard_11@hotmail.com



+44 7849258635

+34 636577738



<https://eimardsobrinozurera.com/>

LinkedIn

linkedin.com/in/eimardsobrinozurera



<https://stackoverflow.com/story/eimard>



<https://gitlab.com/esobrinoz>

Contact ME

