

EIMARD SOBRINO ZURERA

Software Engineer

JULY 2020

ANGULAR
LOGIN
GET
CREATE



PET STORE APP

Single page application with a great **scalable** and reusable architecture using **reactive** and **dynamic forms**, validations and **access** the Swagger pet shop Rest API back-end integrate with **docker**



DOWNLOAD

<https://gitlab.com/esobrinoz/login-get-create-pet-app>

ANGULAR

FRAMEWORK



REST API



Swagger™

Supported by SMARTBEAR

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

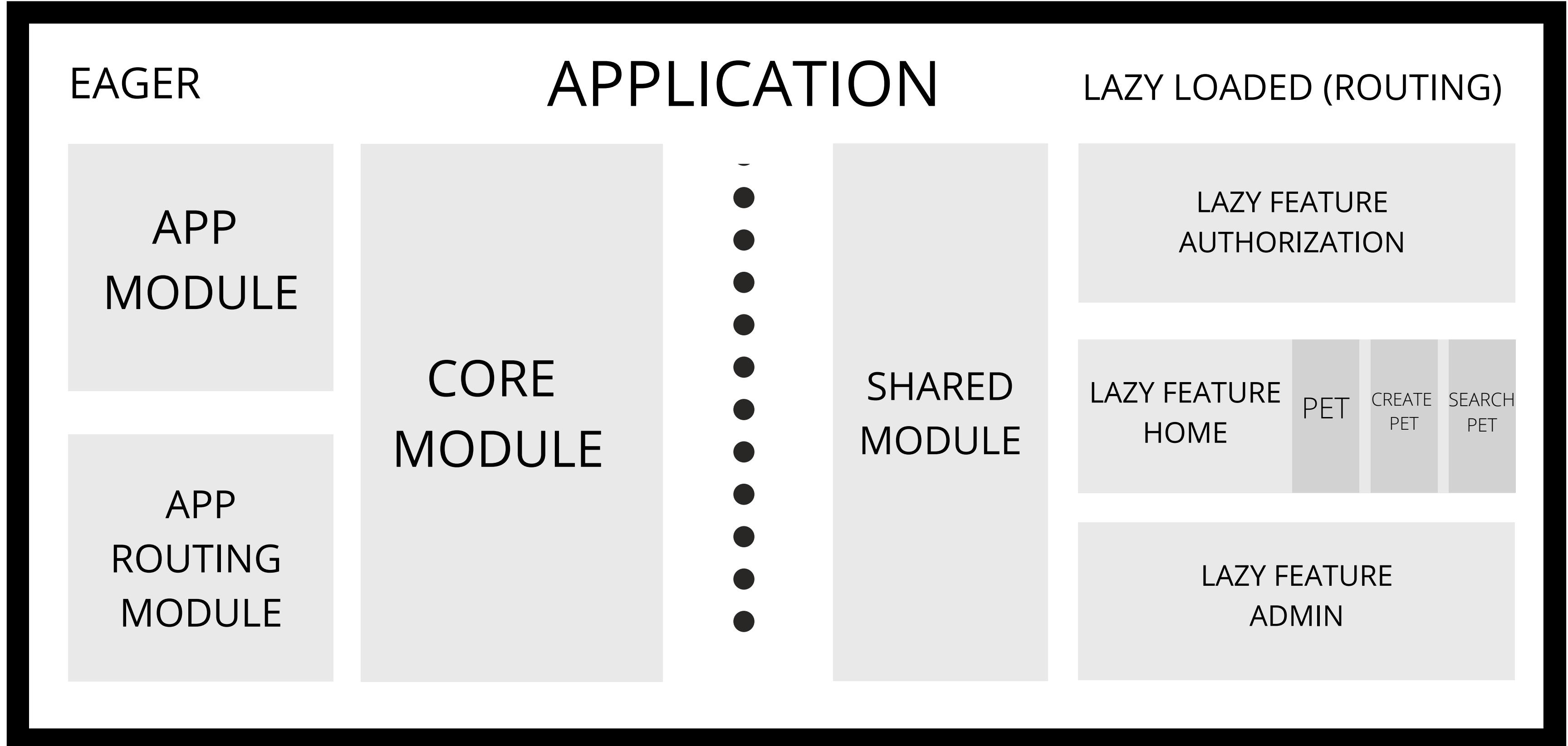
Used for unit testing

WEB PACK Analytics

Manage js bundle size and files



ARCHITECTURE



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

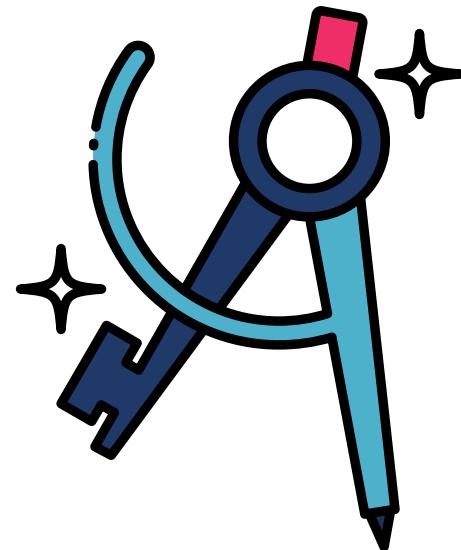


ISOLATED AND CUSTOM

NO SIDE EFFECTS, EASY TESTING AND COUPLING/DECOUPLING

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

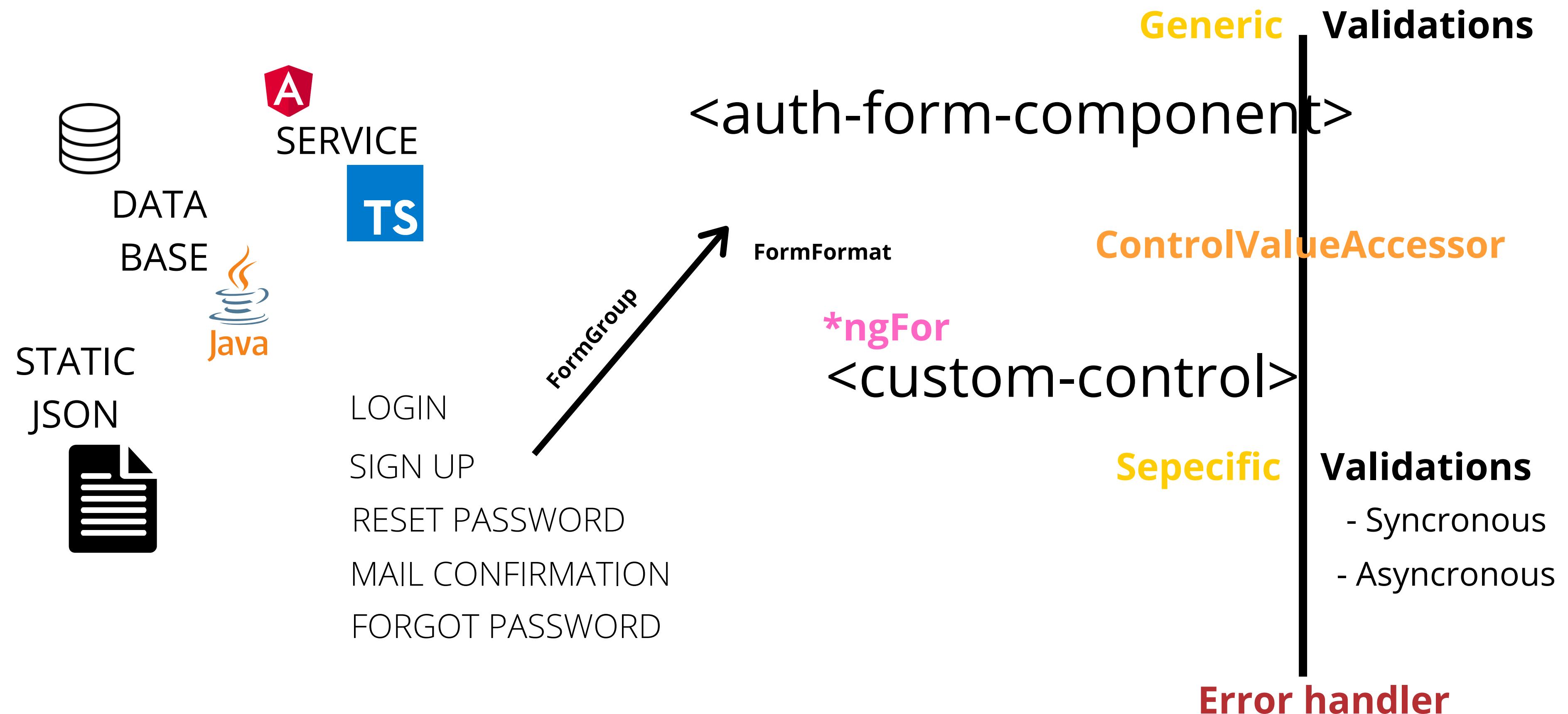
Reusable components, directives, and pipes (**declarables**) that will be shared **by lazy features**. **NOT CORE INCLUDED!**

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 REUSABLE DYNAMIC FORMS



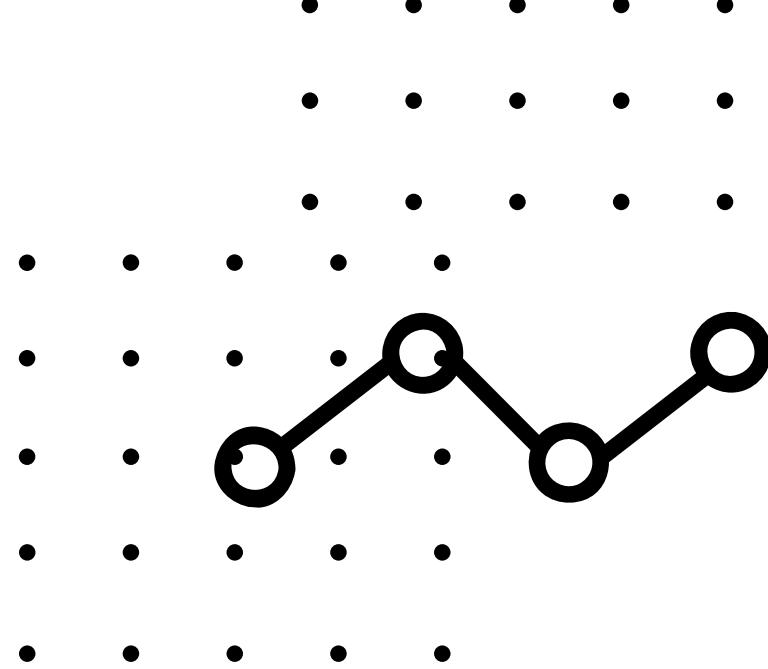
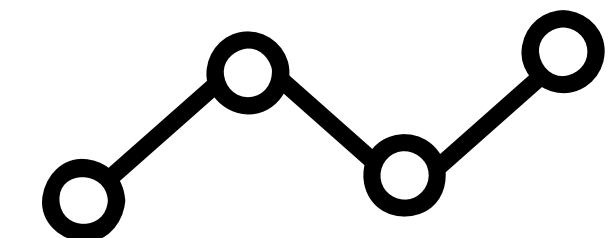
LOGIN && SIGNUP

Login and sign up available with reusable form and proper validation.

Navigation to forget password and mail confirmation screen

EIMARD SOBRINO ZURERA
Software engineer

JULY 2020



Login

Email *

Password *

Sign In

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



LOGIN FORM

Synchronous validation

All **fields** are **required** with proper with **specific error** messages. **Password validation:**

- Required
- Lowercase and uppercase
- Min 8 characters

Submit

GET

/user/login Logs user into the system

Login

Username *

Password *



Sign In

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

SIGN UP FORM

Syncronous validation

All **fields** are **required** with proper with **specific error** messages

Asynchronous validation

Check if **username** is **available** calling an endpoint

GET

/user/{username} Get user by user name

Submit

POST

/user Create user

Sign Up

Username *

First name *

Last name *

Email *

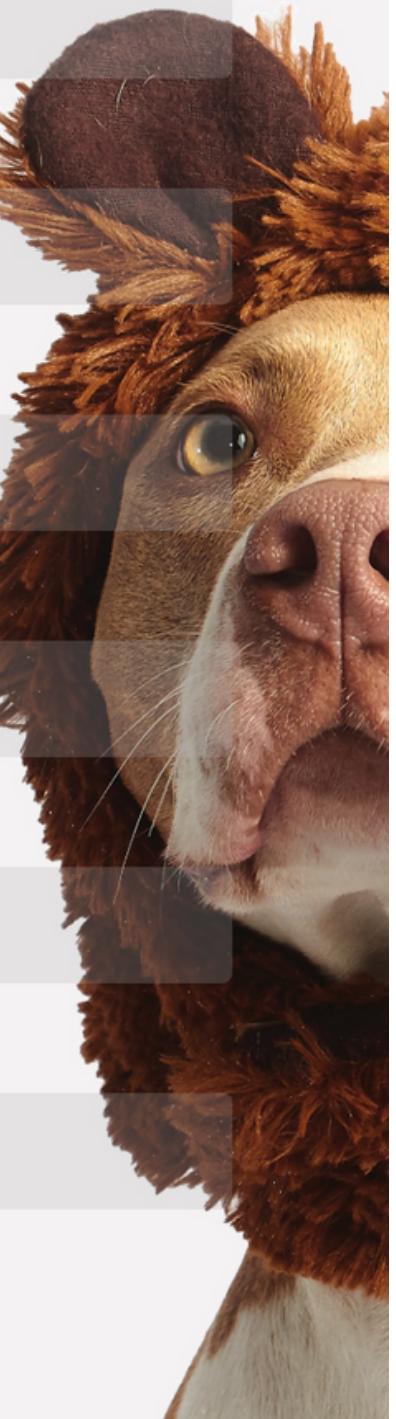
 

Password *

Phone *

Sign Up



Reusable form allows me to create new and validated forms easily

Reset Password

Current Password *

New Password *

Repeat new password *

Change Password

Remembered your password? [Sign In!](#)



Mail Confirmation

Please input your email again and we will send you a confirmation mail in order to verify your identity

Verification email *

Send verification email

Better to go back? [Sign In!](#)



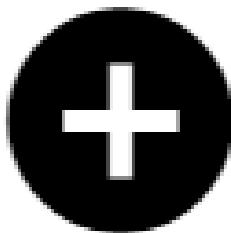
PETS PAGE

You are able to check all the pets by their status: Available, pending and sold

on Click



Go to search pet by ID page



Go to create pet page

GET

/pet/findByStatus

Finds Pets by status

Home

Admin

Logout

PET STORE

PETS



Available

Pending

Sold



Alissa



Anita



Tara



Irene



Nola



Marty



CREATE PET

- ▶ FORM VALIDATION
- ▶ SPECIFIC ERRORS
- ▶ UPLOAD IMAGES
(TWO WAYS)
- ▶ DYNAMIC SELECT
STRUCTURE ADDED

POST

/pet Add a new pet to the store

Home Admin

Logout

PET STORE

CREATE A PET

Category *

Name *

Select Status

available

Choose file No file chosen

or

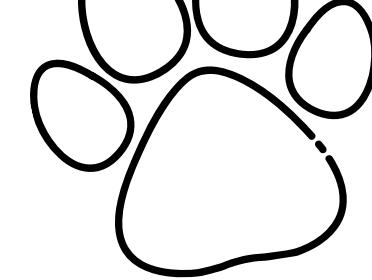
Enter imagen url*

Create Pet

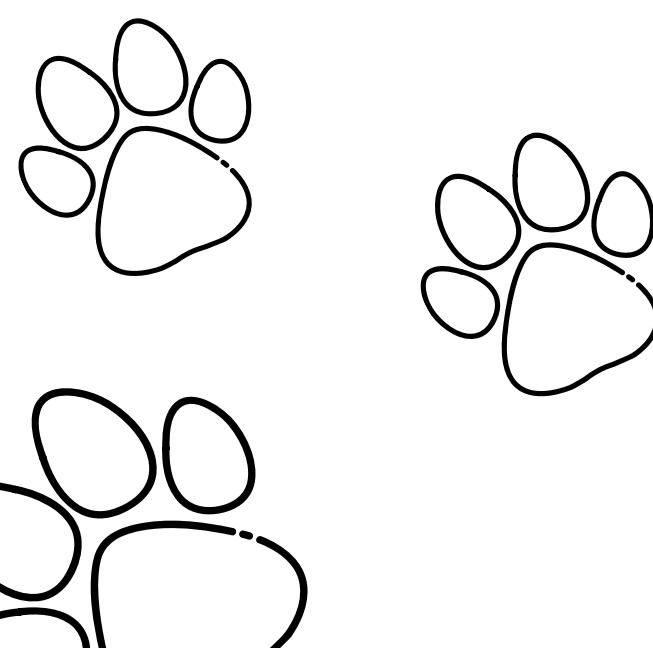
SEARCH PET

GET

/pet/{petId} Find pet by ID



- ▶ FORM VALIDATION
- ▶ SPECIFIC ERRORS
- ▶ INTUITIVE DESIGN
- ▶ REUSABLE FORM



Eimard
Frontend Engineer

"I am really motivated to start a new challenge and looking forward to joining you and the team"

[Web site](#)
[Linkedin](#)
[Documentation](#)

Home Admin

PET STORE

SEARCH PET

Introduce the Pet ID *

167556544

Search Pet

Ray

Category: Beagle

Status: Available

Photos



Better to go back? [Pets](#)

HTML && WCAG

Web Accessibility principles

Strong scalable structure

Reusable design

Use proper document structure

Not Inline styles

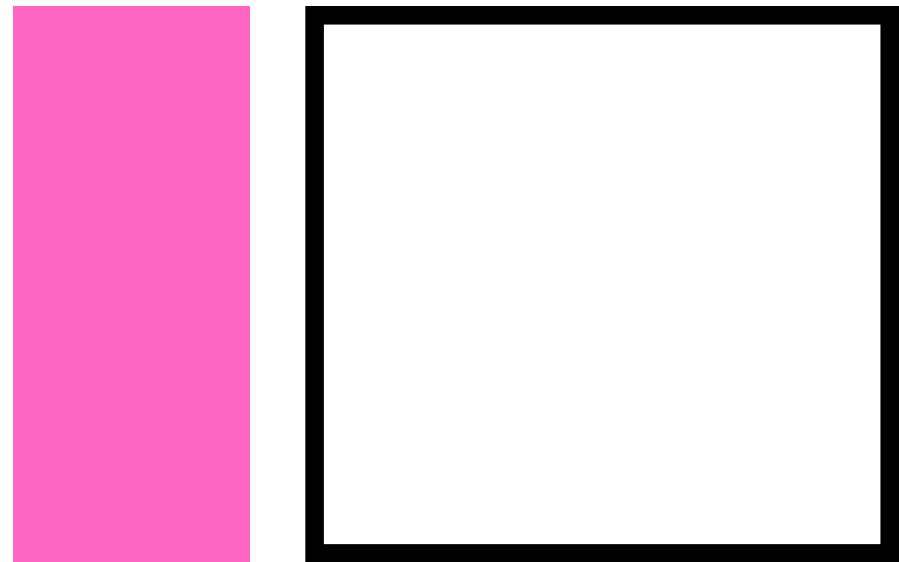
Validate frequently

Meaningful tags



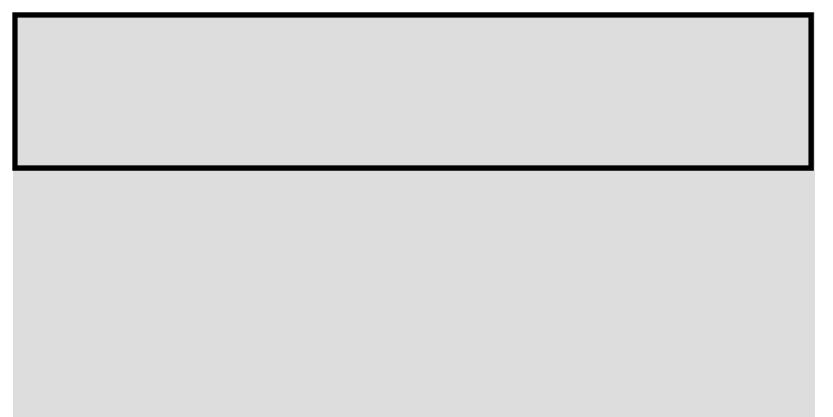
MAIN / AUTH LAYOUT

ASIDE LEFT AND MAIN PAGE



PAGE LAYOUT

HEADER & PAGE



HTML

CSS

Using SASS preprocessor



CSS



Manual GRID

Emulating CSS Grid,
Material Grid, bootstraps

Nomenclature BEM

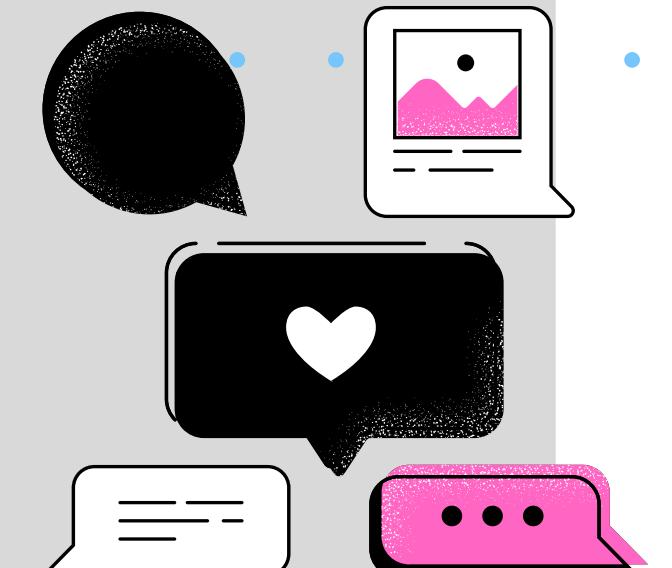
Useful for tracking of classes
and use of Variables

Reusable structure

Use of generic styles via
ViewEncapsulation and sass
imports. Scalability

All browsers support

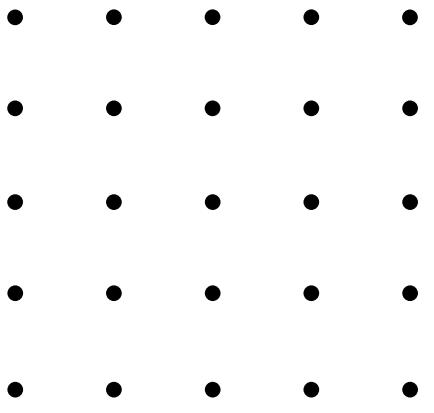
Use of variables an



VIEW ENCAPSULATION

Encapsulation and generic styles folder

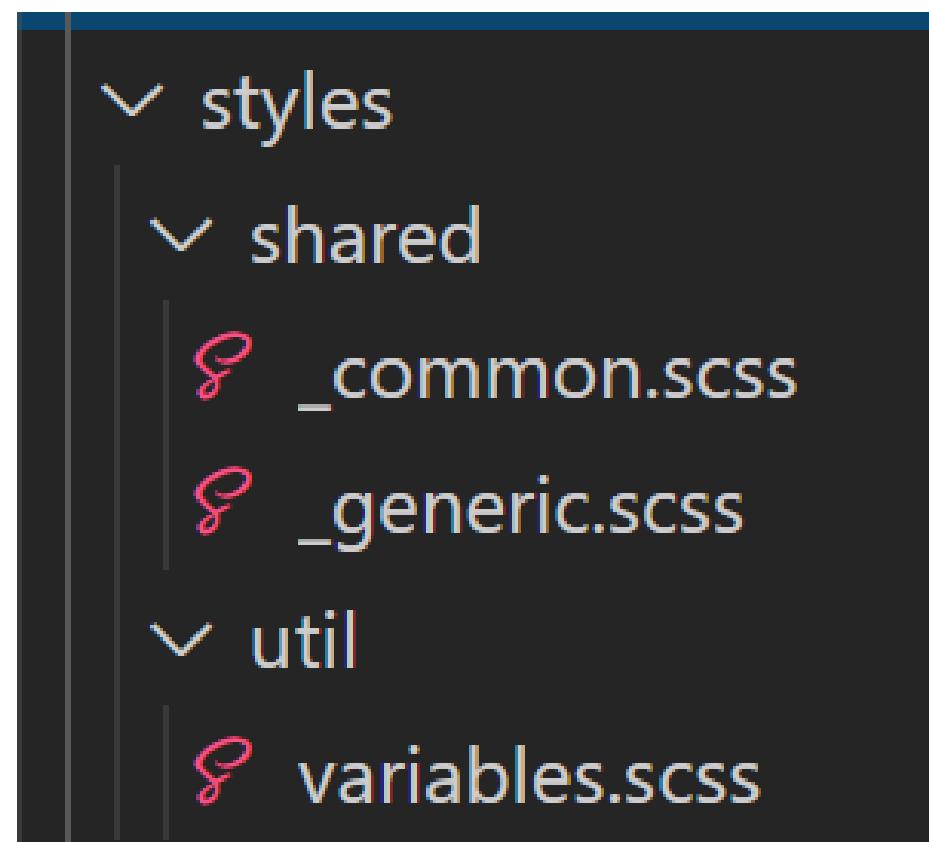
NONE



► Components Encapsulation

► Generis folder

- Authorization components
- Form components
- Home components



CSS



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

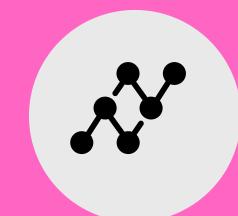
CompleteFormGuard
  • should be created

AuthGuard
  • should be created

HeaderComponent
  • should create

SignupComponent
  • should create

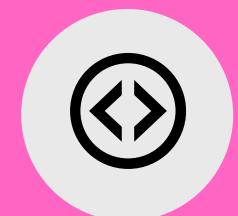
AuthFormComponent
  • form should be valid when onSubmit() PENDING WITH MESSAGE: Temporarily disabled with xit
  • should create
  • email with bad format should be invalid
  • firstname empty should be invalid
  • component initial state
  • email empty should be invalid
  • password with less than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



ISOLATED TESTS



SHADOW TESTS

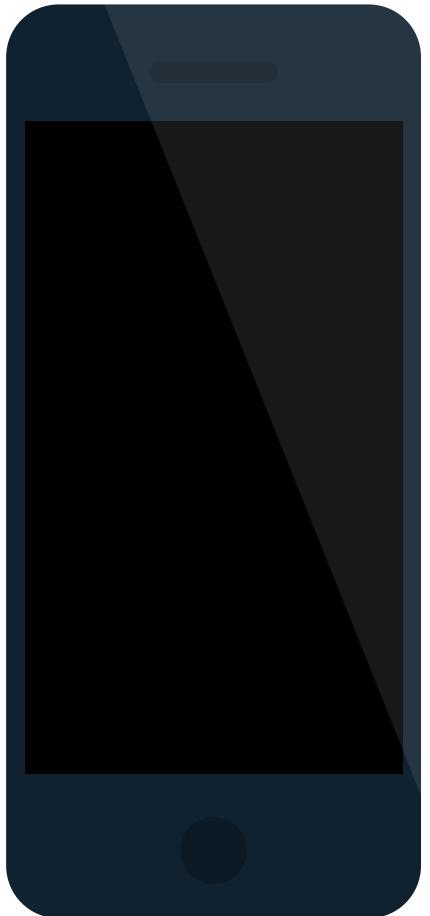


INTEGRATED TESTS

 **Jasmine**
+  **KARMA**

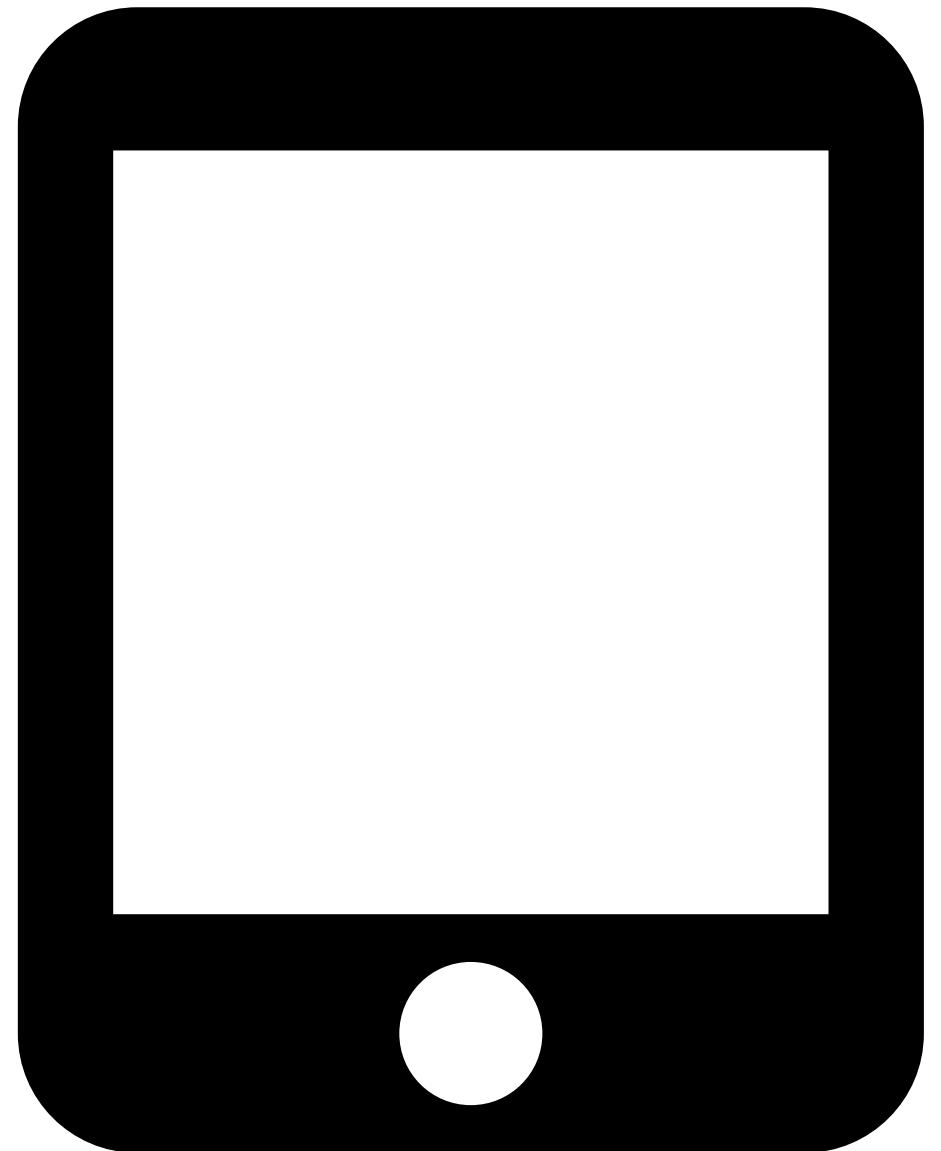
RESOLUTION

Mobile Iphone 5SE
Mobile
Tablet
Desktop
Large Desktop

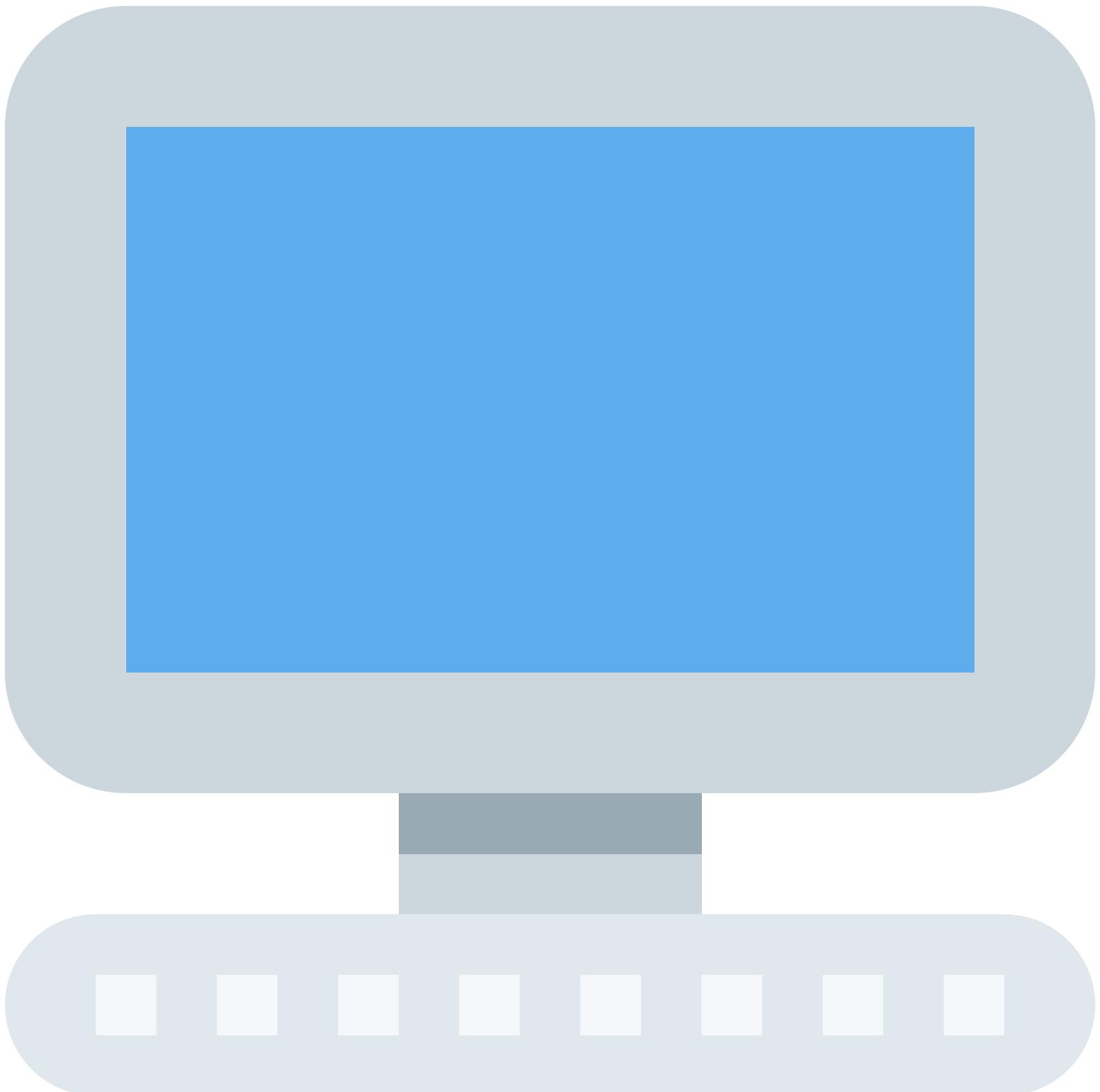


PIXELS

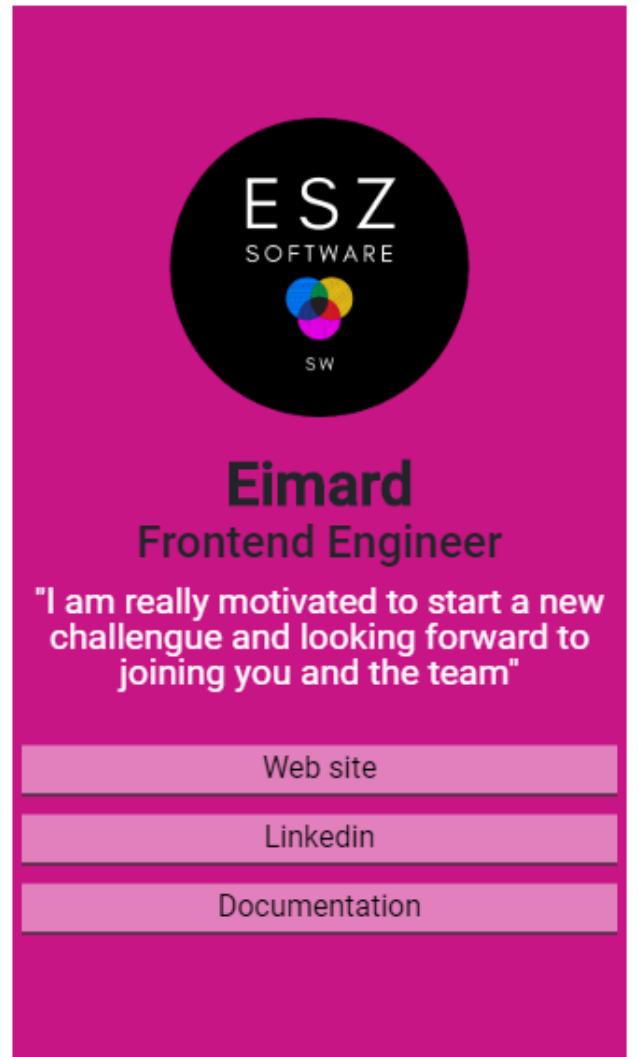
< 350
350 - 768
768 - 992
992 - 1200
>1200



Responsive Design



MOBILE & TABLET



Not a Member? [Sign up!](#)

Login

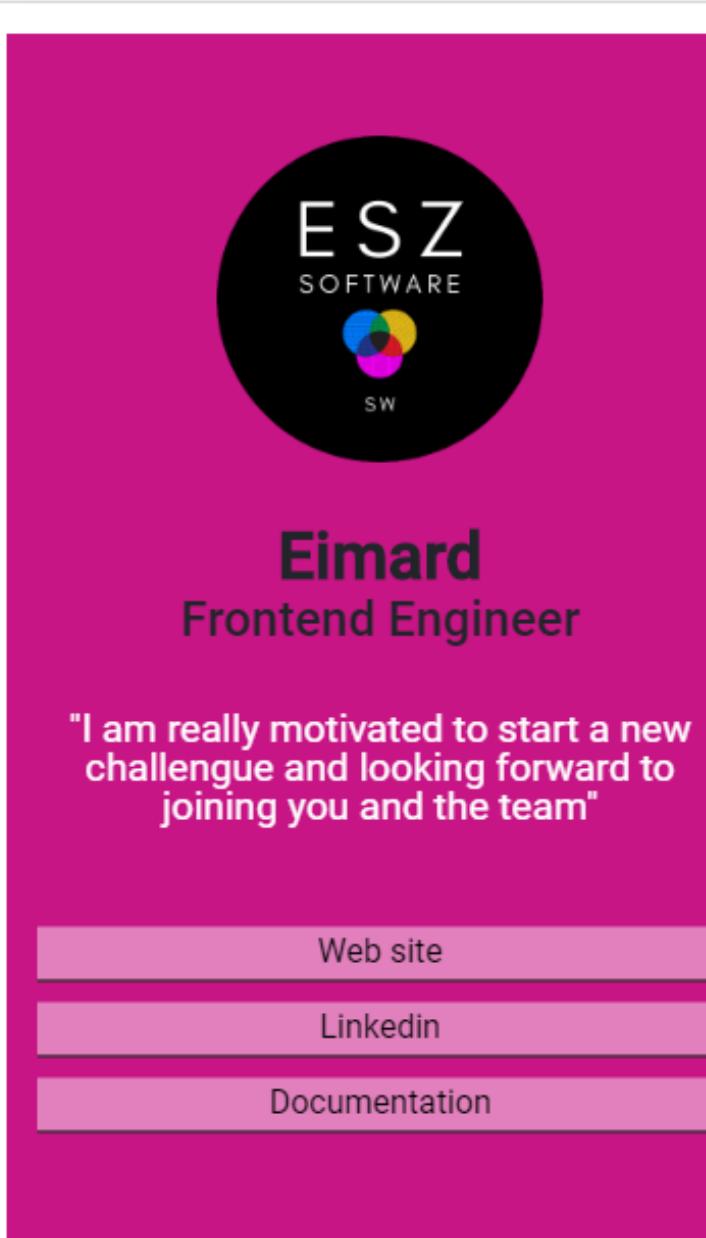
Username *

Password *

[Sign In](#)

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



Not a Member? [Sign up!](#)

Login

Username *

Password *

[Sign In](#)

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

DESKTOP



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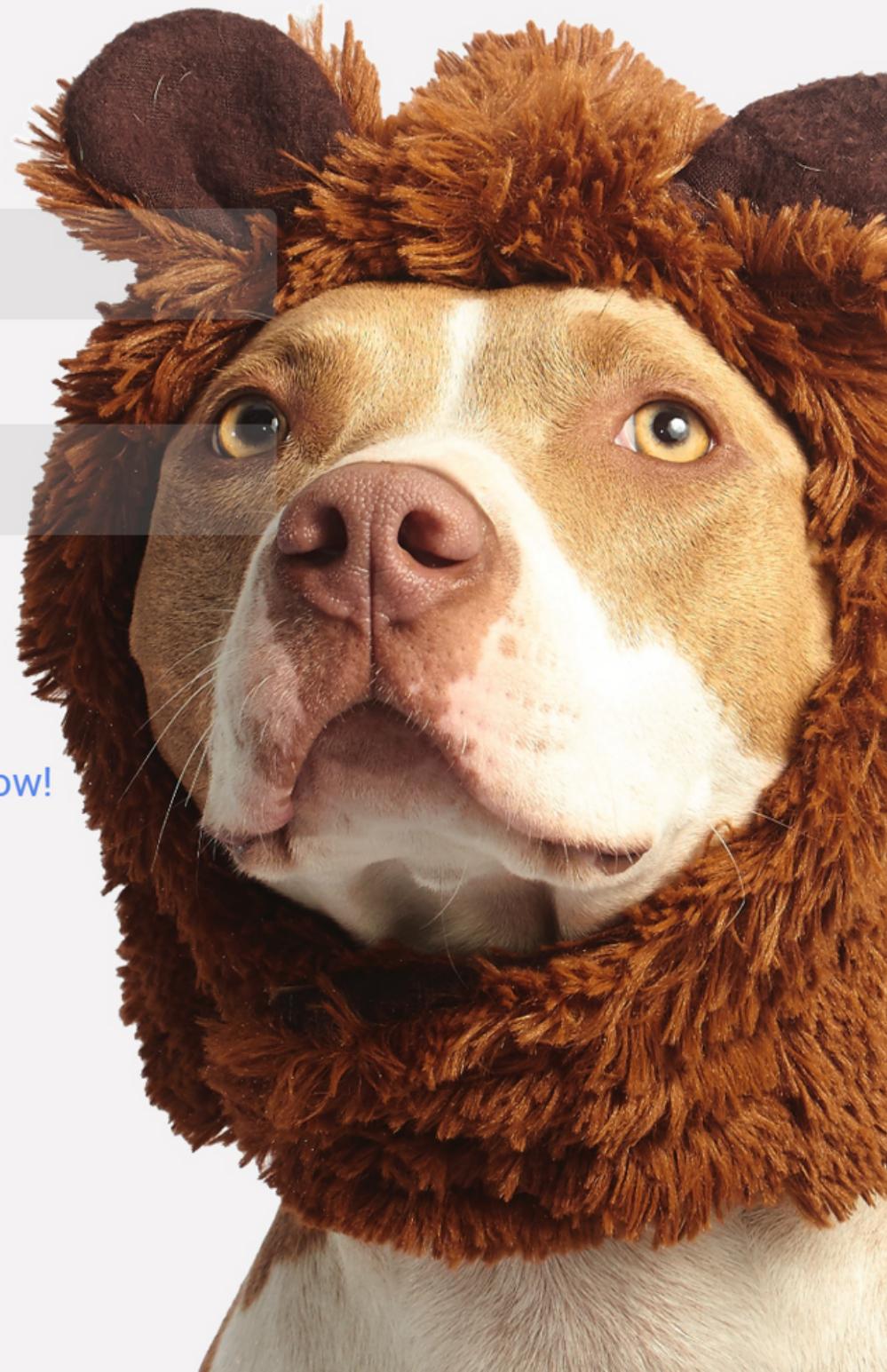
Username *

Password *

[Sign In](#)

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

Login



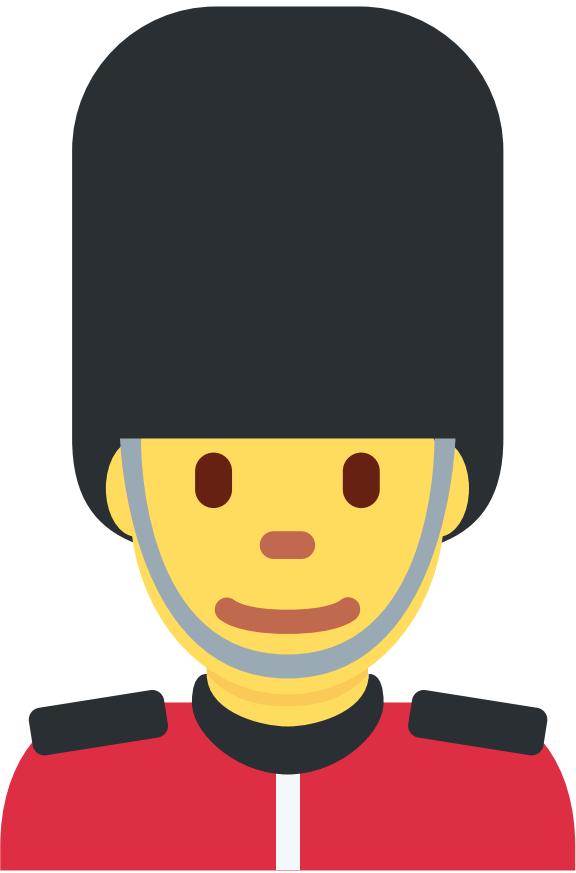
GUARDS

► FORM COMPLETE GUARD

User is warned if leaves the form and it is not complete. **Great user experience**

► AUTH GUARD

User is not allowed to head for the home page until is logged. **Preventing url navigation**



HEADER, ADMIN AND LOGOUT

The screenshot shows a top navigation bar with three items: "Home" (underlined), "Admin", and "Logout". Below this is a sidebar with a blue button labeled "GET /user/logout" and the text "Logs out current logged in user session".

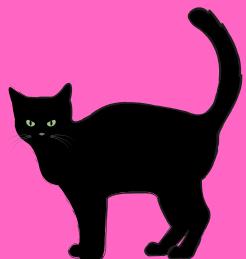
- ADMIN SECTION AVAILABLE.
- DELETE USER FROM SESSION STORAGE
- UNABLE TOKEN
- INTUITIVE AND EASY EXPERIENCE

UTIL



CUSTOM CAT

LOADING MODAL



2 Loading component



Mocks and API REST



Advance angular
features

Guards

canActivate

canDeActivate

canLoad



Error Handler

HTTP INTERCEPTOR



Clean code principles

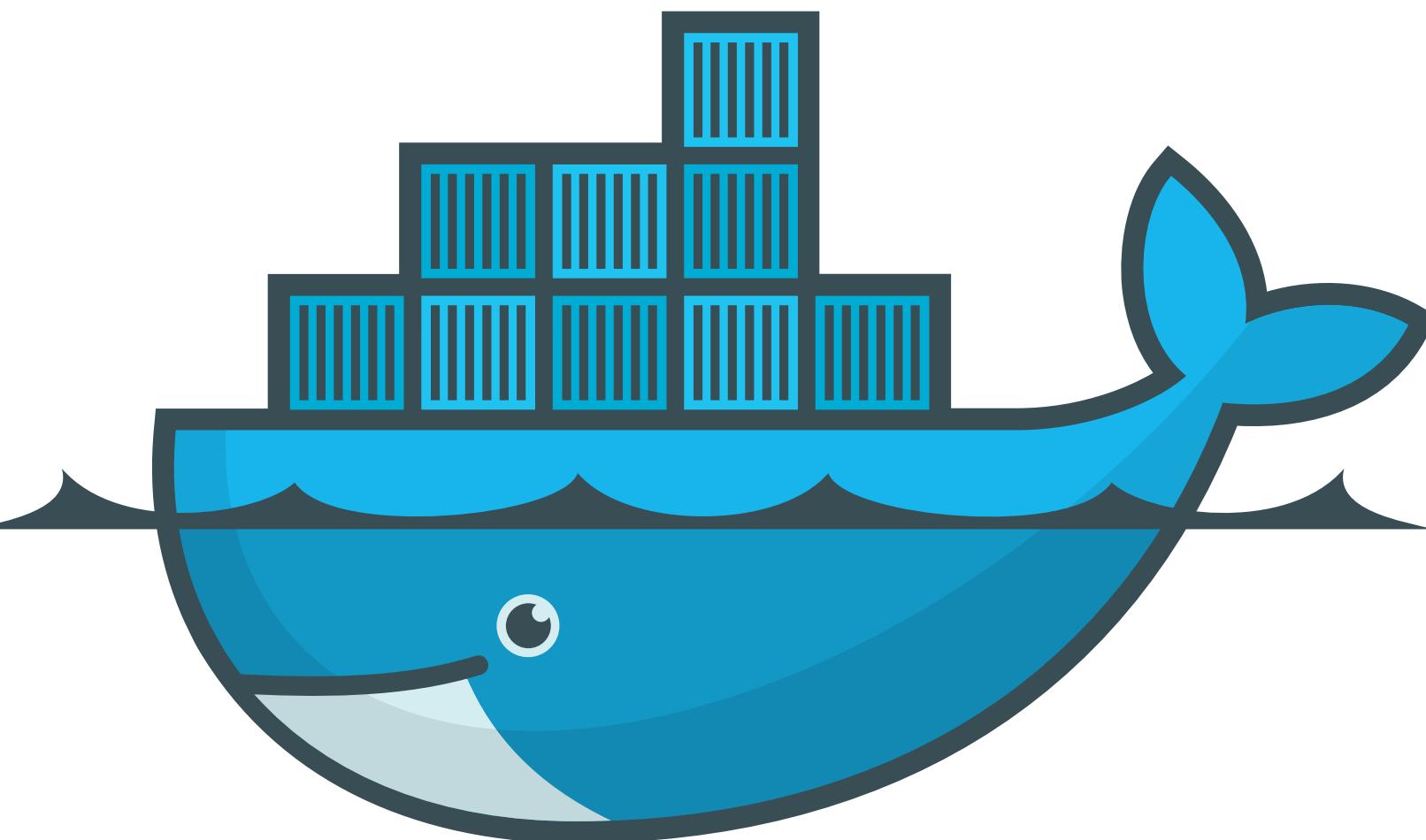
KISS DRY TED SOLID



DOCKER INTEGRATION

DOWNLOAD

> WINDOWS 10 HOME /PRO
DOCKER DESKTOP

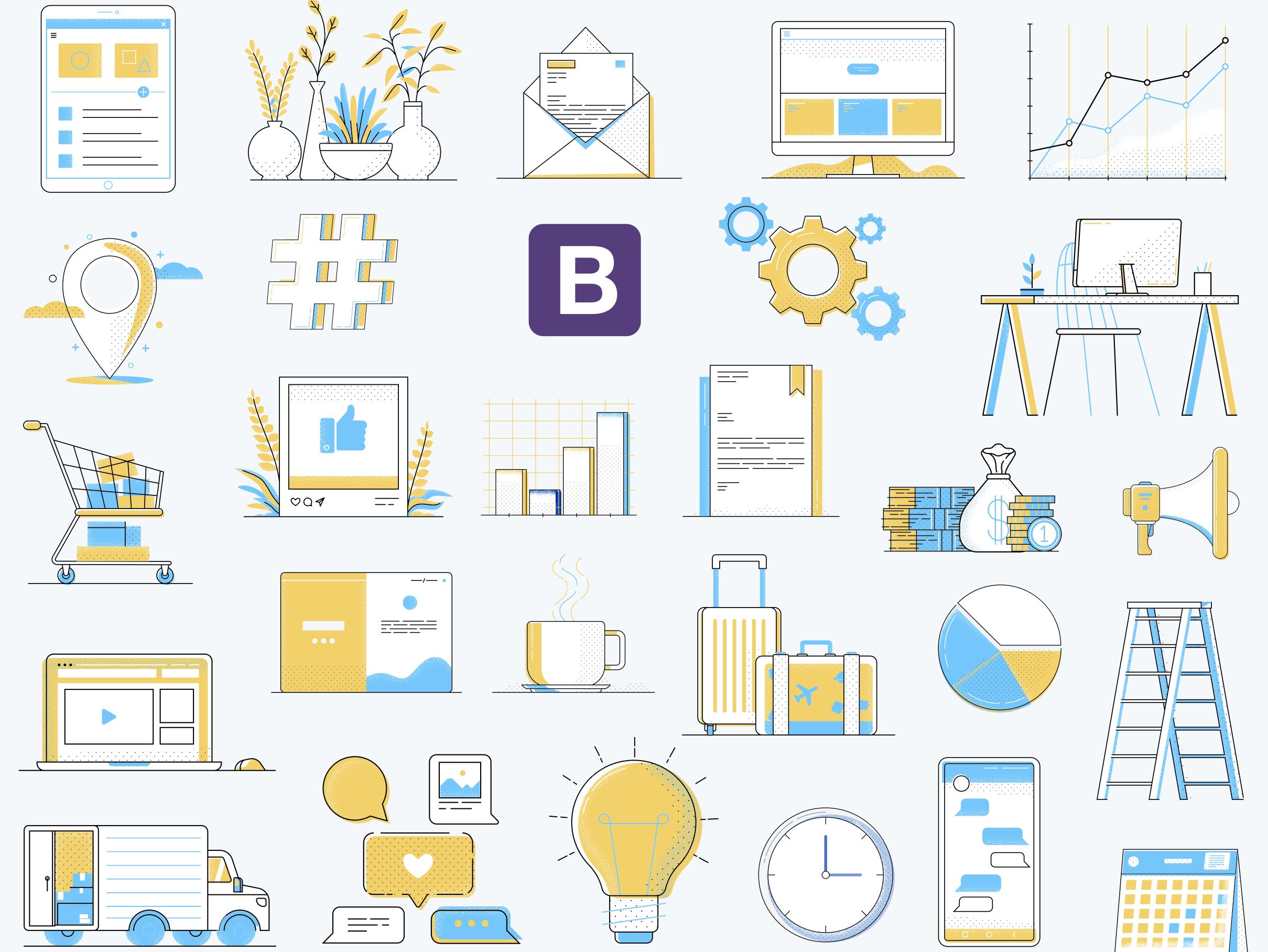


> WINDOWS 10
DOCKER TOOL WITH
VIRTUAL MACHINE

```
docker pull swaggerapi/petstore
docker run -d -e SWAGGER_HOST=http://petstore.swagger.io \
-e SWAGGER_URL=http://localhost \
-e SWAGGER_BASE_PATH=/v2 -p 80:8080 swaggerapi/petstore
```

External Libraries

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





UI - UX

Understandable and pleasing to
use design

ACHIEVEMENTS

Correctness



Code quality



Clean code principles



And Specially ...

Motivation to enjoy working
with



Testing



UX

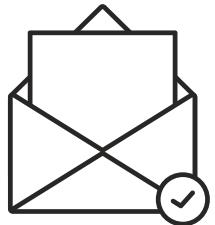


Documentation

you and

The TEAM





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LinkedIn

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



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Contact ME

