

SHOP.SOLUTION

APP. ANGULAR | MATERIAL | NGRX | RXJS

API. .NET | ENTITY FRAMEWORK

DB. SQLITE

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- App
- Api

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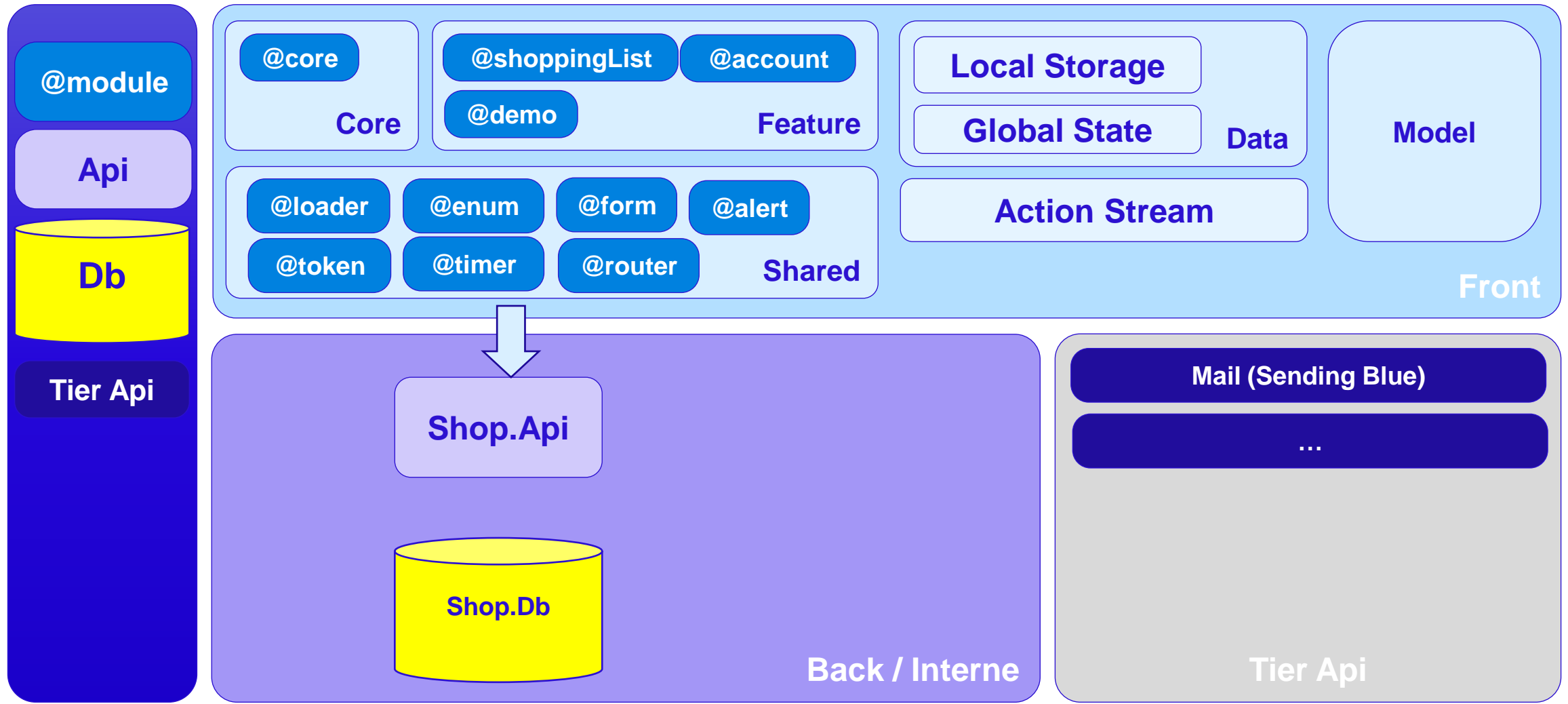
- App
- Api

01

Architecture

Logicielle

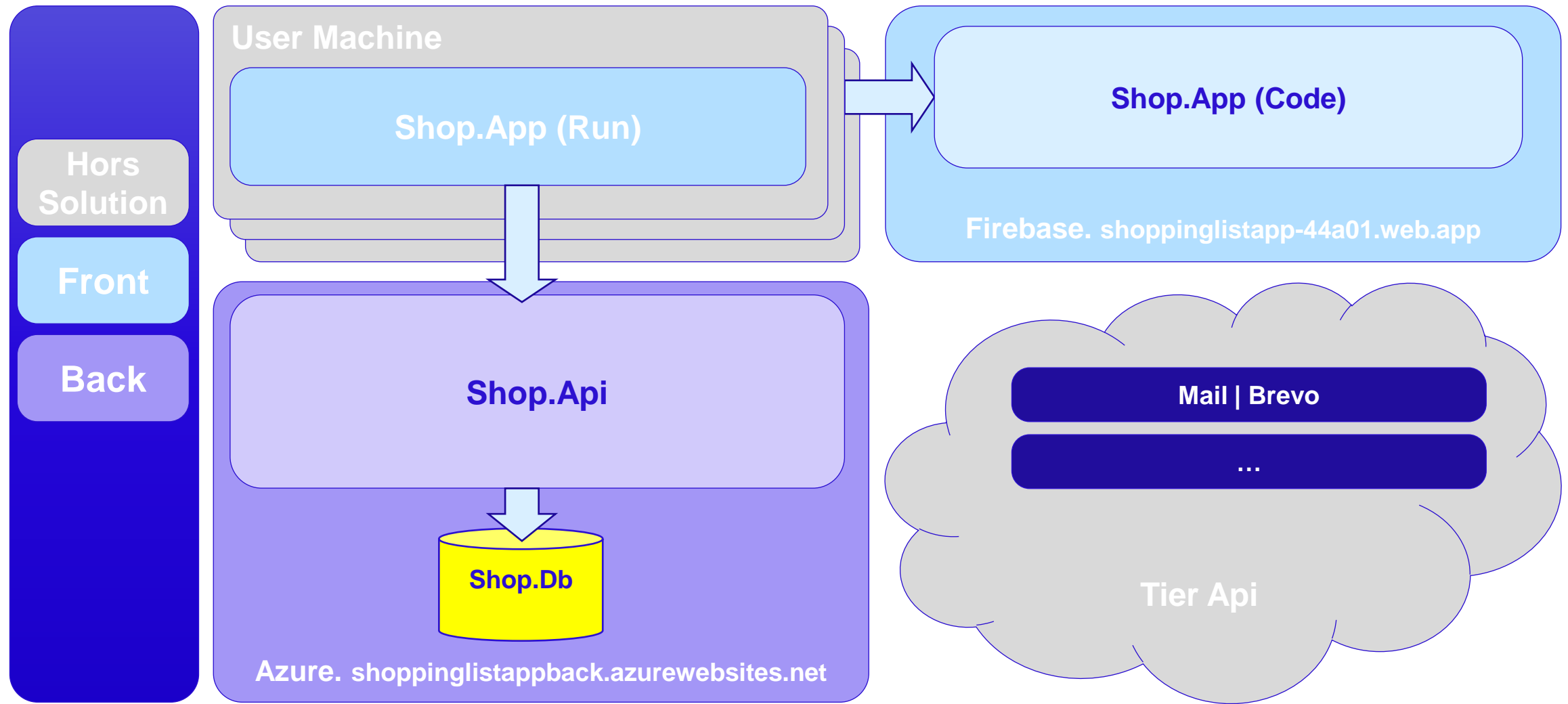
Architecture



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Physique.Production

Architecture



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Components

Architecture

Front

- **Module**
 - Core / Feature / Shared
- **Storage**
 - Global State (NgRx)
 - Browser Storage (Local / Session)

Back

- **Api**
 - Interne / Externe
- **Batch**
- **Database**

Module (Es | Js | Ts | Ng | K)

Component (Ng | K)

Service (Ng | .Net | K)

Components.List

Architecture

Type	Thème	Fournisseur	Possible
App	Shop	K	Shop.App
Api	Shop	K	Shop.Api
Batch	-	-	-
Tier Service	Cookie	N/a	TarteAuCitron ? (Pour Rgpd)
Tier Service	Ged	N/a	
Tier Service	Mail	Brevo	Brevo
Tier Service	Map	N/a	Google Map Leaflet.js OpenStreetMap ?

02

Technologie

Solution

Technologie

Code

- **Ide.** VsCode
- **Package.** Npm (Node.js) (App) | Nuget (Api)
- **Host.** Firebase (App) | Azure (Api)
- **Version.** Git
- **Storage.** GitHub
- **Ci / Cd.** ?

Interface & Data

- **Front / Back.** Http | Rest | Json

Documentation

- **Design.** Lucidchart

App

Technologie

Langage

- Langage. Ts | Html | Css | Sass
- CSS Pre-Processor. Sass (Sass / Scss)

Architecture

- Web Framework. Angular
- State Mngt. Ngrx | Redux
- Web Component. Angular.Material
- Reactive Programming. Rxjs
- Interaction FRT / BCK. Http | Rest | Json

Code Lifecycle

- Unit Test. Jasmine | Karma ?
- e2e Test. Protractor | Cypress ?
- Code Quality (Static) (// Linter)
 - Prettier | CodeLyzer (deprecated)
 - Tslint (deprecated) => Eslint (for Ng)

Inspiration

- Angular. Jasonwatmore.Alert
- Ngrx. Loiane | UltimateCourses
- Lib Ref. AngularEnterprise

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Library Status

- intégré | majeur | à creuser

Api

Technologie

Langage

- Langage. C# | Sql | Linq

Architecture

- Api Framework. Asp.NetCore 7
- Orm. EfCore

Data

- Database. SQLite

App Lifecycle

- Test<Unit>. ? MsTest | NUnit | XUnit
- Test<e2e>. ?
- Code Quality. Pmd, CheckStyle ?

Inspiration

- .NetCore. Jasonwatmore.Boilerplate

03

Code

Vue d'ensemble

Code

Local Env

Configuration

Développement

Build & Deploy

Pipeline

- Static QA ? (Code Analysis)
- Package Resolution & Build ?
- Test
- Déploy

Local Env

Code

Installation

Shop.App

- Node.Js (+ npm inclus)
- Firebase Cli. npm install -g firebase-tools

Shop.Api

- Install dotnet

Vs Code

- Extensions.
 - Angular Language Service (for Angular)
 - C#
 - Nuget Package Manager | Nuget Package Manager Gui
 - Powershell

Vs Code

General

- Settings. Exclude Git Ignore

Shop.Api

- Open Nuget -> Ctrl+Shift+P/Nuget Pkg Mng Ui
- Restore Nuget
- Create New C# Lib

Deploy

Code

Shop.App

Build & Deploy

- Local “Dev Version”. `ng serve --open`
- Local “Prod Version”. (=> need local server web (Ex : lite-server))
- Remote (Cloud).
 - `Deploy. ng deploy`
 - `StopApp. firebase hosting:disable`
 - `If rights pbs. firebase login -reauth`

Pipeline

- N/A

Shop.Api

Build & Deploy

- Ac VsCode
- Générer Publish.
 - Ds « src/Shop.Api », run “`dotnet publish -c Release -o ./bin/Publish`” (génère dans le dossier /bin/Publish)
- Déployer sur Azure. (Via VsCode)
 - Ds extension Azure.Subscription.AppServices.ClicDroit “Deploy to web App”
 - **Ou** Click Droit sur dossier “/Publish” puis “Deploy to web App”

Pipeline

- N/A

04

Test

Vue d'ensemble

Test

Shop.App

Ui Test

Unit Test

- Test des méthodes « publiques » & « de plus d'une ligne »
- Couverture : XX%

Shop.Api

Integration Test

Unit Test

- Unité à tester. Service
- Test des méthodes « publiques » & « de plus d'une ligne »
- Couverture : XX%

Merci !