  
TEST ADR

1.0

17 gennaio 2023

Indice

# Indice ADR per Status

[[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)] [[❔ Proposed](#adr-0000-00-adr-by-status-md-proposed)]

## ✔️ Accepted

* [{short title of solved problem and solution}](#adr-0001-template-md)
* [Linguaggio Kotlin per backend e Typescript per frontend](#adr-0002-lang-md)
* [1. Record architecture decisions](#Xe40f1dc80ca3ad693c6f99b2cae7eebab11badf)

## ❔ Proposed

* [Librerie funzionali Arrow per Kotlin e fp-ts per Typescript](#adr-0003-func-md)

# Indice ADR per Tag

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## ADR

* [[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)] - [1. Record architecture decisions](#Xe40f1dc80ca3ad693c6f99b2cae7eebab11badf)

## Strumenti

* [[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)] - [Linguaggio Kotlin per backend e Typescript per frontend](#adr-0002-lang-md)
* [[❔ Proposed](#adr-0000-00-adr-by-status-md-proposed)] - [Librerie funzionali Arrow per Kotlin e fp-ts per Typescript](#adr-0003-func-md)

## Template

* [[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)] - [{short title of solved problem and solution}](#adr-0001-template-md)

# Indice ADR per Marker

# Changelog

## YYYY-MM-DD, versione 1.0

* Versione iniziale

# To-Do List

* ACTION1:
  + Valutare PIPPO
  + Valutare PLUTI

# {short title of solved problem and solution}

Date: 2022-01-10

## Status

[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)

## Tags

[[Template](#adr-0000-01-adr-by-tags-md-template)]

## Context and Problem Statement

{Describe the context and problem statement, e.g., in free form using two to three sentences or in the form of an illustrative story. You may want to articulate the problem in form of a question and add links to collaboration boards or issue management systems.}

## Decision Drivers

* {decision driver 1, e.g., a force, facing concern, …}
* {decision driver 2, e.g., a force, facing concern, …}
* …

## Considered Options

* {title of option 1}
* {title of option 2}
* {title of option 3}
* …

## Decision Outcome

Chosen option: “{title of option 1}”, because {justification. e.g., only option, which meets k.o. criterion decision driver | which resolves force {force} | … | comes out best (see below)}.

### Consequences

* Good, because {positive consequence, e.g., improvement of one or more desired qualities, …}
* Bad, because {negative consequence, e.g., compromising one or more desired qualities, …}
* …

## Validation

{describe how the implementation of/compliance with the ADR is validated. E.g., by a review or an ArchUnit test}

## Pros and Cons of the Options

### {title of option 1}

{example | description | pointer to more information | …}

* Good, because {argument a}
* Good, because {argument b}
* Neutral, because {argument c}
* Bad, because {argument d}
* …

### {title of other option}

{example | description | pointer to more information | …}

* Good, because {argument a}
* Good, because {argument b}
* Neutral, because {argument c}
* Bad, because {argument d}
* …

## More Information

{You might want to provide additional evidence/confidence for the decision outcome here and/or document the team agreement on the decision and/or define when and how this decision should be realized and if/when it should be re-visited and/or how the decision is validated. Links to other decisions and resources might appear here as well.}

# Linguaggio Kotlin per backend e Typescript per frontend

Date: 2022-01-10

## Status

[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)

## Tags

[[Strumenti](#adr-0000-01-adr-by-tags-md-strumenti)]

## Scegliere linguaggio/i di sviluppo

In base alle esigenze architetturali ed alla esperienza del team si doveva decidere il linguaggio/i per lo sviluppo

## Decision Drivers

* il team disponibile conosce solo Javascript, Java, C#, Kotlin, Typescript
* si vuole un linguaggio tipizzato
* deve essere disponibile una libreria per la programmazione funzionale

## Considered Options

* Javascript/C#
* Javascript/Java
* Typescript/C#
* Typescript/Kotlin

## Decision Outcome

Opzione scelta: “Typescript/Kotlin”, perché offrono migliori feature di linguaggio tipizzato e librerie funzionali.

Kotlin

Kotlin

Typescript

Typescript

# Librerie funzionali Arrow per Kotlin e fp-ts per Typescript

Date: 2022-01-10

## Status

[❔ Proposed](#adr-0000-00-adr-by-status-md-proposed)

## Tags

[[Strumenti](#adr-0000-01-adr-by-tags-md-strumenti)]

## Scegliere librerie funzionali

In base alla scelta di utilizzare la programmazione funzionale devono essere selezionate adeguate librerie di supporto per tutti i linguaggi utilizzati

## Decision Drivers

* Sono stati scelti come linguaggi di sviluppo [0002-Kotlin e Typescript](#adr-0002-lang-md)
* Diffusione della libreria
* Completezza della libreria

## Considered Options

* functionaljava/fp-ts
* [Vavr](https://www.vavr.io/)/[fp-ts](https://github.com/gcanti/fp-ts/)

## Decision Outcome

Opzione scelta: “Vavr/fp-ts”, perché le più complete ed utilizzate .

# 1. Record architecture decisions

Date: 2023-01-09

## Status

[✔️ Accepted](#adr-0000-00-adr-by-status-md-accepted)

## Tags

[[ADR](#adr-0000-01-adr-by-tags-md-adr)]

## Context

We need to record the architectural decisions made on this project.

## Decision

We will use Architecture Decision Records, as [described by Michael Nygard](http://thinkrelevance.com/blog/2011/11/15/documenting-architecture-decisions).

## Consequences

See Michael Nygard’s article, linked above. For a lightweight ADR toolset, see Nat Pryce’s [adr-tools](https://github.com/npryce/adr-tools).