



## **A web and web mobile platform to attract institutional funders**

A tutored project commissioned by the non-profit association Zafira Solidaire

Portfolio Project  
Jeffrey Basset & Ingrid Mornac #C26 Holberton Toulouse  
Demo day Nov 2025



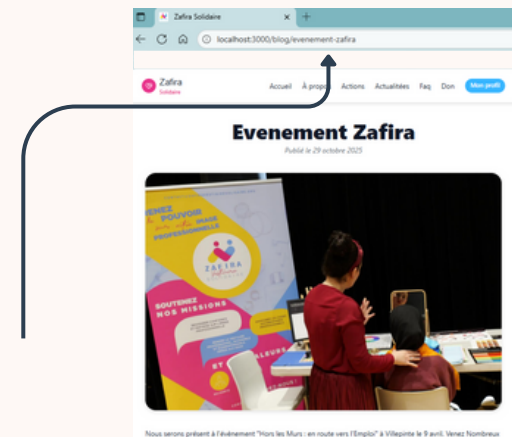
# Principales features

A modern and accessible website



## SSR & SEO optimised

Slug management, static generation, optimal performance



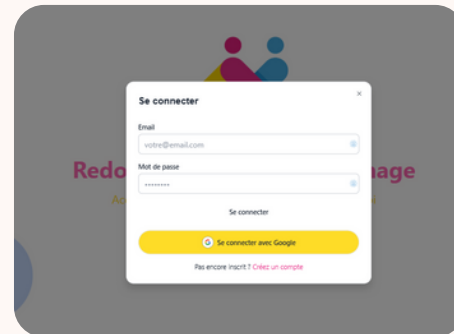
## Responsive & Accessible

Interface adaptative mobile & desktop



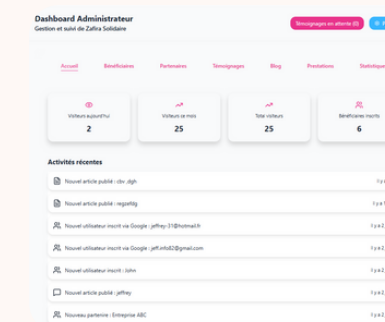
## Google Authentication

Secure and simplified connection for users (Oauth2)



## Complete Admin Dashboard

Analytics, feeds content, real-time events



# Project Team

Close collaboration between developers and Zafira



**Fariza Souilah,**  
Manager Zafira



**Jeffrey Basset,**  
FullStack Developer



**Ingrid Mornac,**  
FullStack developer

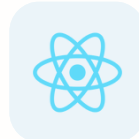
**Demo**

# It's the moment to demonstrate Zafira Solidaire project

# Technical Stack

Modern and efficient technologies

## Front-end



React



NextJS



Typescript



Tailwind CSS



HTML



ESLint



Shadcn

## Back-end



NestJS



PostgreSQL



Prisma



Jest



Swagger



NodeJS



Sengrid

## Tools & DevOps



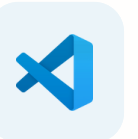
Git/Github



Docker



Markdown



VSCode



Canva



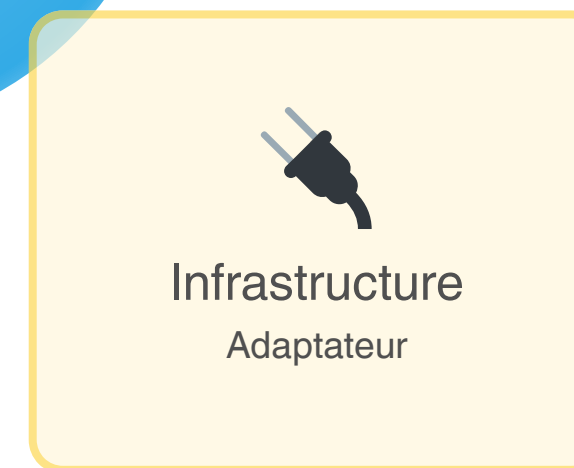
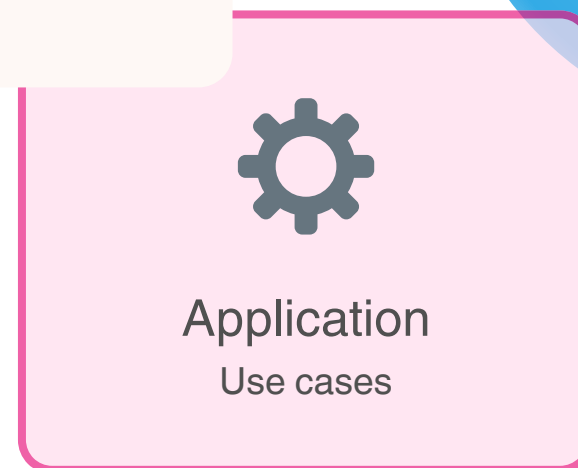
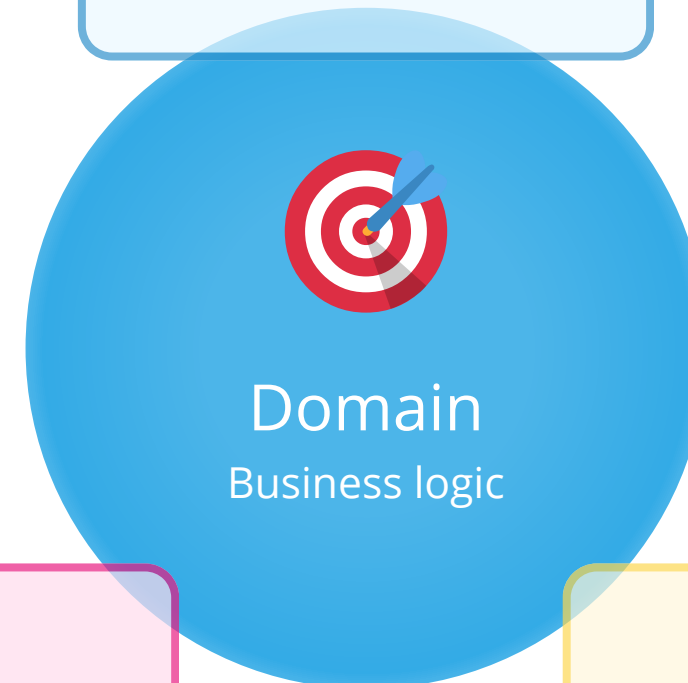
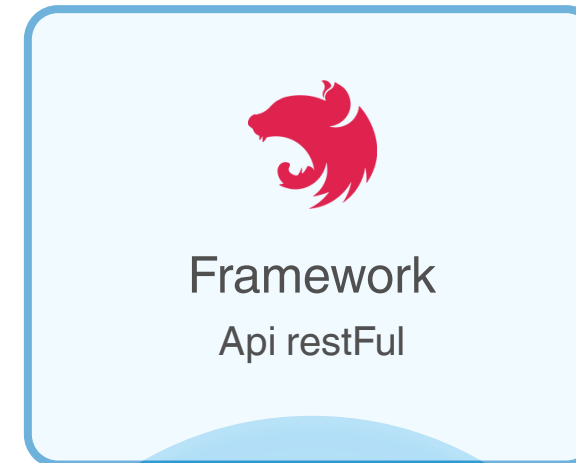
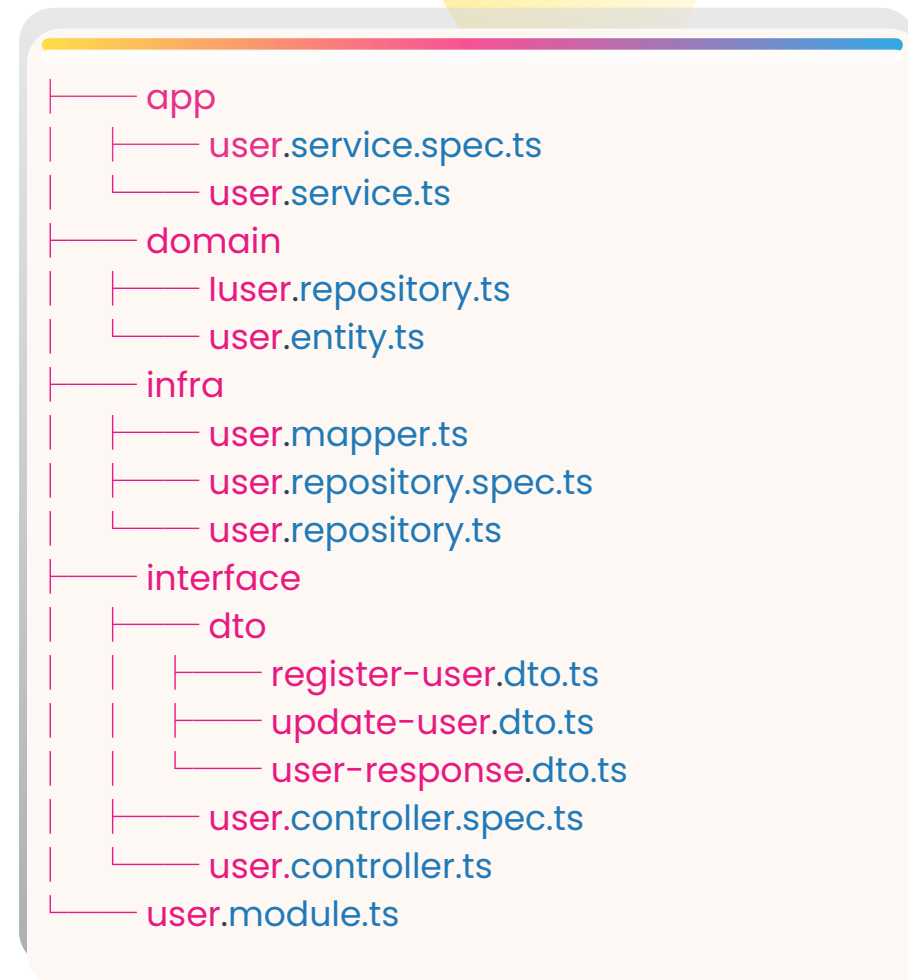
Excel



Miro

# Hexagonal Architecture

A modular and maintainable architecture



# Code Snippets

SSR rendering:

```
function getApiBase(ssr: boolean) {
  return ssr
    ? process.env.API_BASE_SSR
    : process.env.NEXT_PUBLIC_API_BASE;
}

export async function getBlogBySlug(
  slug: string,
  ssr = true
): Promise<BlogDto> {
  const res = await
    fetch(`${getApiBase(ssr)}/blogs/slug/${slug}`, {
      method: 'GET',
      credentials: ssr ? 'omit' : 'include',
    });

  if (!res.ok) throw new Error('Blog not found');

  return res.json();
}
```



```
@Get('slug/:slug')
@ApiOperation({ summary: 'Get a blog by slug (for SEO/SSR)' })
@ApiResponse({ status: 200, description: 'The blog object.' })
@ApiResponse({ status: 404, description: 'Blog not found.' })
async findBySlug(
  @Param('slug') slug: string,
): Promise<Record<string, unknown>> {
  const blog = await this.blogService.getBySlug(slug);
  return blog.toJSON();
}
```

# Code Snippets

## Analytics on admin dashboard(visitors counter):

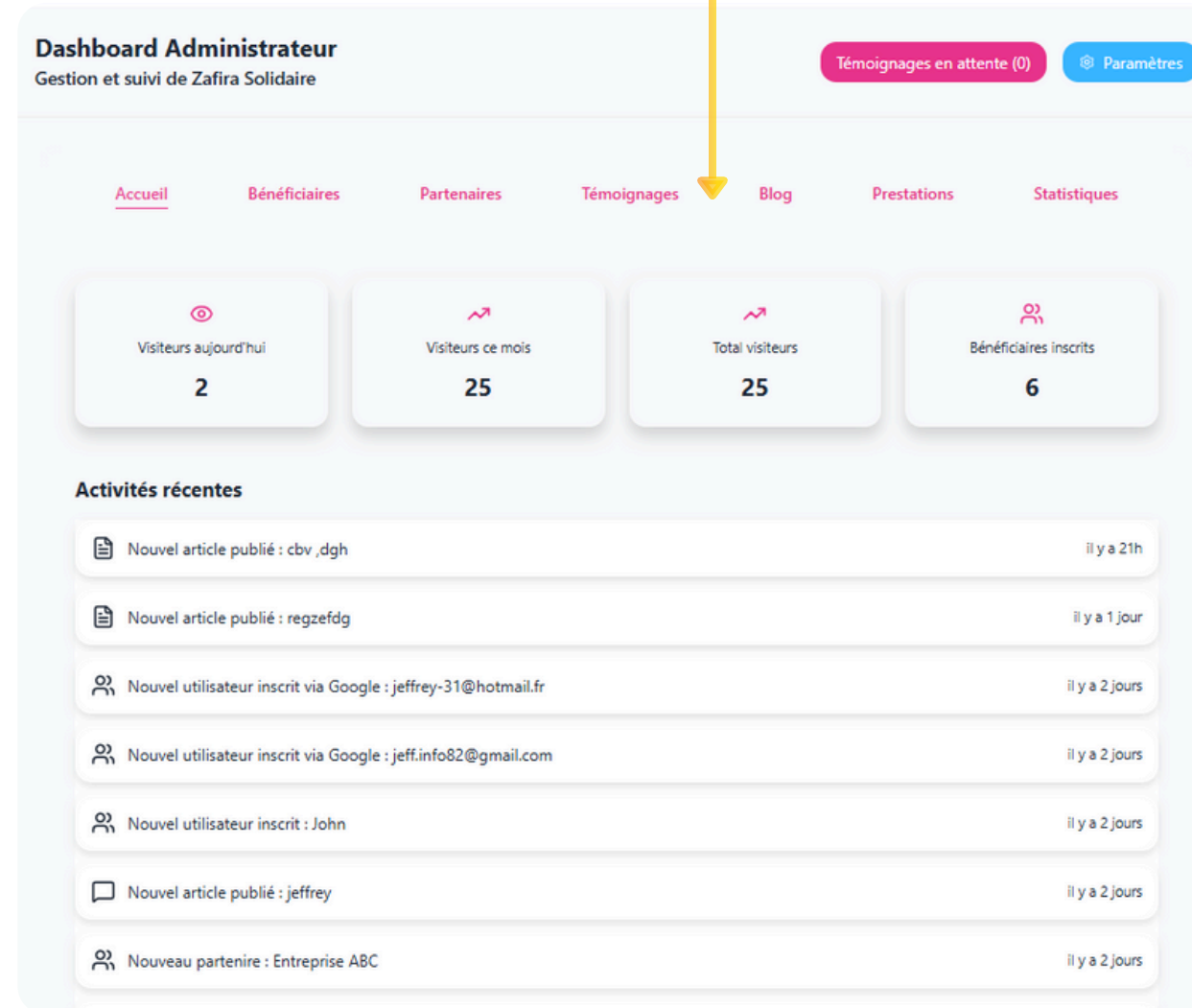
```
export default function RootLayout({children}: LayoutProps) {
  useEffect(() => {
    const visitedKey = 'lastVisit';
    const now = new Date();
    const lastVisitStr = localStorage.getItem(visitedKey);

    let shouldRecord = true;

    if (lastVisitStr) {
      const lastVisit = new Date(lastVisitStr);
      const diffMs = now.getTime() - lastVisit.getTime();
      const diffMinutes = diffMs / 1000 / 60;

      if (diffMinutes < 30) shouldRecord = false;
    }

    if (shouldRecord) {
      recordVisit().catch((err) =>
        console.error('Erreur en enregistrant la visite', err)
      );
      localStorage.setItem(visitedKey, now.toISOString());
    }
  }, []);
```



```
@Post('hit')
@ApiOperation({ summary: 'Record a new visit and update all stats' })
async hit() {
  const { daily, monthly, global } = await this.statsService.recordVisit();
  return {
    daily: StatsDtoMapper.toDailyDto(daily),
    monthly: StatsDtoMapper.toMonthlyDto(monthly),
    global: StatsDtoMapper.toStatsDto(global),
  };
}
```

# GitHub flow

## How to use GitHub branches



### 1. Create an Issue

Title with a descriptive prefix of the change.

Example:

Feat: Manual stats Implementation

Fix: Fix bugs on user services

### 2. Create a local branch

Dedicated branch per issue

Example:

```
git checkout -b 12-fix-login
```

### 3. Develop & Commit

Commit with reference to the issue:

Example:

```
git commit -m  
"(close #12): corrected  
login form"
```

Push & Pull Request  
Push & open a PR to Dev

→ Review → Merge in Dev

→ Stable Dev → Merge in Main

```
git push origin fix-  
login/#12
```

**Clear traceability**

**Organized development**

**Controlled integration**

# Project management

life cycle of project

## Zafira Solidaire

Zafira Manager: Fariza Souilah

Project start date :

[18/08/2025](#)

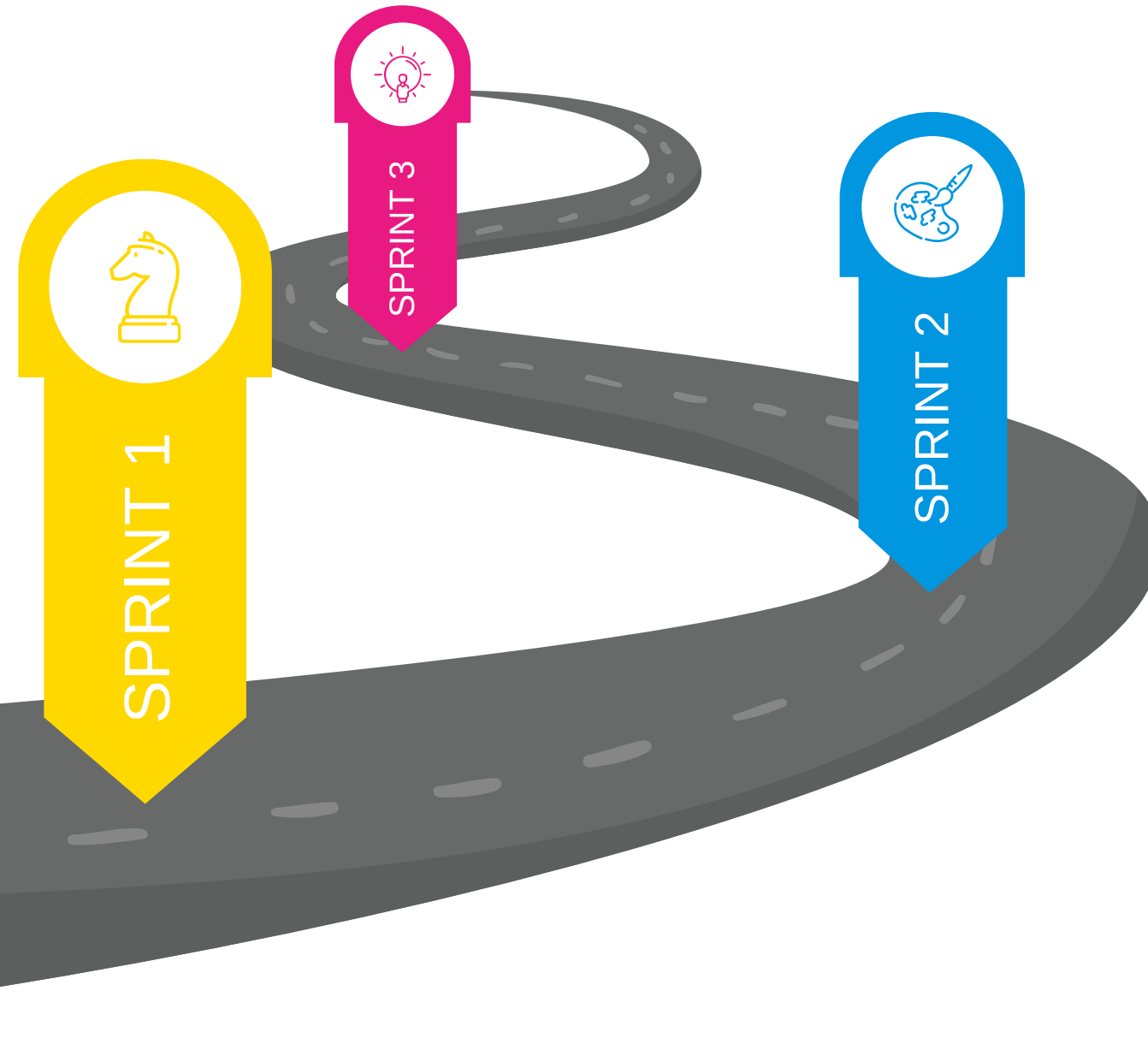
Project completion date :

[14/11/2025](#)

Description of the stages	Category	Attributed to	Progression	Start	Days
<b>Team formation</b> <b>Idea development</b>	Medium risk	Jeff & Ingrid	<b>100%</b>	<a href="#">18/08/2025</a>	12
<b>Project Charter Development</b>	Medium risk	Jeff & Ingrid	<b>100%</b>	<a href="#">01/09/2025</a>	12
<b>Technical Documentation</b>	Medium risk	Jeff & Ingrid	<b>100%</b>	<a href="#">15/09/2025</a>	12
<b>MVP Development and Execution</b>	High risk	Jeff & Ingrid	<b>100%</b>	<a href="#">29/09/2025</a>	26
<b>Project Closure</b>	Medium risk	Jeff & Ingrid	<b>100%</b>	<a href="#">27/10/2025</a>	12
<b>Landing Page</b>	Medium risk	Jeff & Ingrid	<b>100%</b>	<a href="#">27/10/2025</a>	12

# Timeline

A timeline to code



## Backend Setup/Dev

2 WEEKS

- Initialize the backend architecture using Hexagonal pattern
- Develop and test modules

## Frontend Setup/Dev

1 WEEK

- Initialize Next.js 15 frontend
- Develop component and pages

## Statistics Modules UI/UX Enhancements

1 WEEK

- Add a statistics module to the backend and integrate it into the admin dashboard.
- Improve overall UI/UX consistency
- Testing

# Challenges

Technical and no technical challenges

 **Technical challenges**

 **Hexagonal Architecture and configuration**

 **Authentication OAuth**

 **Dashboard Analytics**

 **Responsive Design**

 **No Technical challenges**

 **Time Management**

 **Team Coordination**

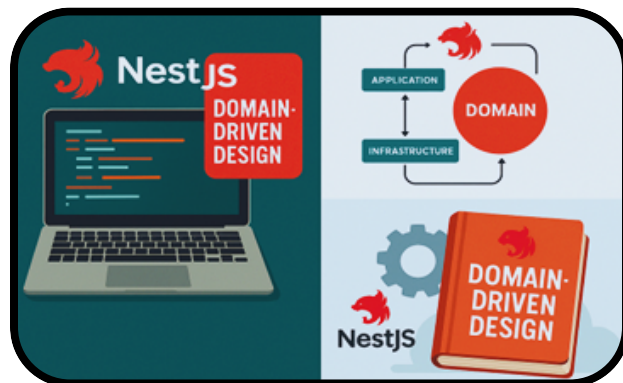
 **Learning New Technologies**

 **Balance with Moscow Method**

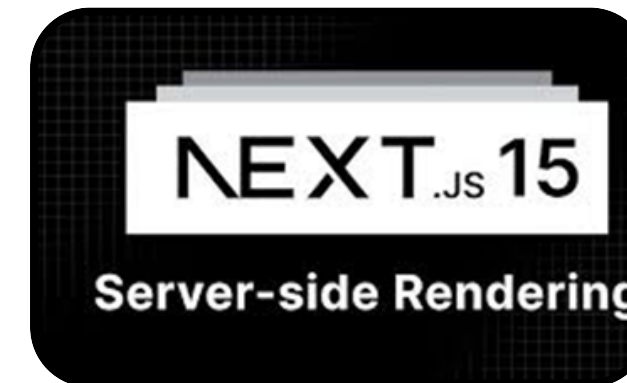
# Lessons learned

Technologies and soft skills learned

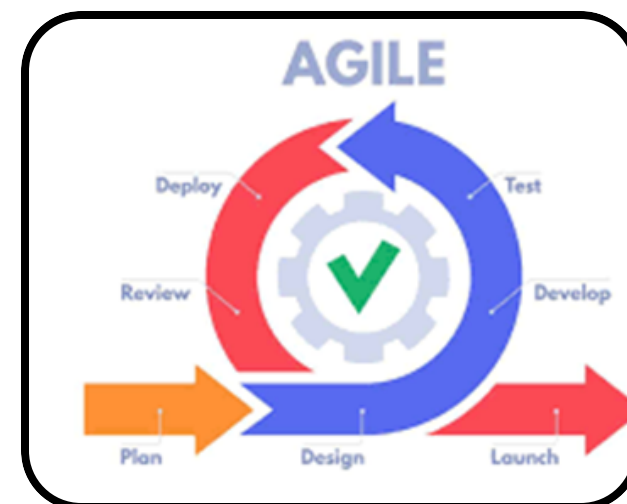
## Backend



## Frontend



## Soft Skills



# Next steps

An evolution of the website

-  **Access to the Founder's Professional Catalogue**
-  **Community Club Space**
-  **HelloAsso API Integration**
-  **Volunteer Management System**

# Conclusion

To conclude...

Thank you for listening

Have you got any questions?