

Summary of the Tranquillo Organizer Project

The Tranquillo Organizer application is designed to help people, including those with Attention Deficit Hyperactivity Disorder (ADHD) or Autism Spectrum Disorder (ASD), better organize their daily lives. It offers features such as creating flexible reminders, visualizing deadlines, customization options like night mode, and a tracking journal.

The application is specifically intended for people with special needs in time management and organization, particularly those with ADHD and ASD.

For the API development, I used PHP with the Symfony framework, which relies on the Doctrine ORM for database management. The database is MariaDB, deployed locally using Docker.

For the user interface, I developed with NativeScript, which facilitates the development of true native mobile applications using a single code base in JavaScript or TypeScript. Additionally, I used Svelte Native to create a high-performance and responsive mobile application, leveraging optimized JavaScript code to interact directly with native components.

The API will be deployed on a server via a secure SSH connection, and it will be accessible at the secure address 'https://tranquillo.corbisier.fr'. The database will only be accessible through the API and my user account with the domain and server provider.

The mobile application will be deployed on both Android and Apple platforms.

The application is structured into three main layers:

1. Controllers manage HTTP requests and orchestrate calls to business services;
2. Services contain the business logic and complex operations;
3. Repositories handle data access via Doctrine ORM.

Security is paramount, with the use of JWT for authentication, refresh tokens, and mechanisms to prevent CSRF and XSS attacks. Password hashing ensures their protection.

A detailed testing plan has been developed to verify registration, login, task management, notifications, performance, and security. The tests ensure that the application functions correctly and meets user needs.

Tranquillo Organizer is a mobile application intended to be robust and secure, designed to help people with ADHD and ASD organize their daily lives. The development, deployment, and testing ensure that the application provides a smooth and secure user experience.

