

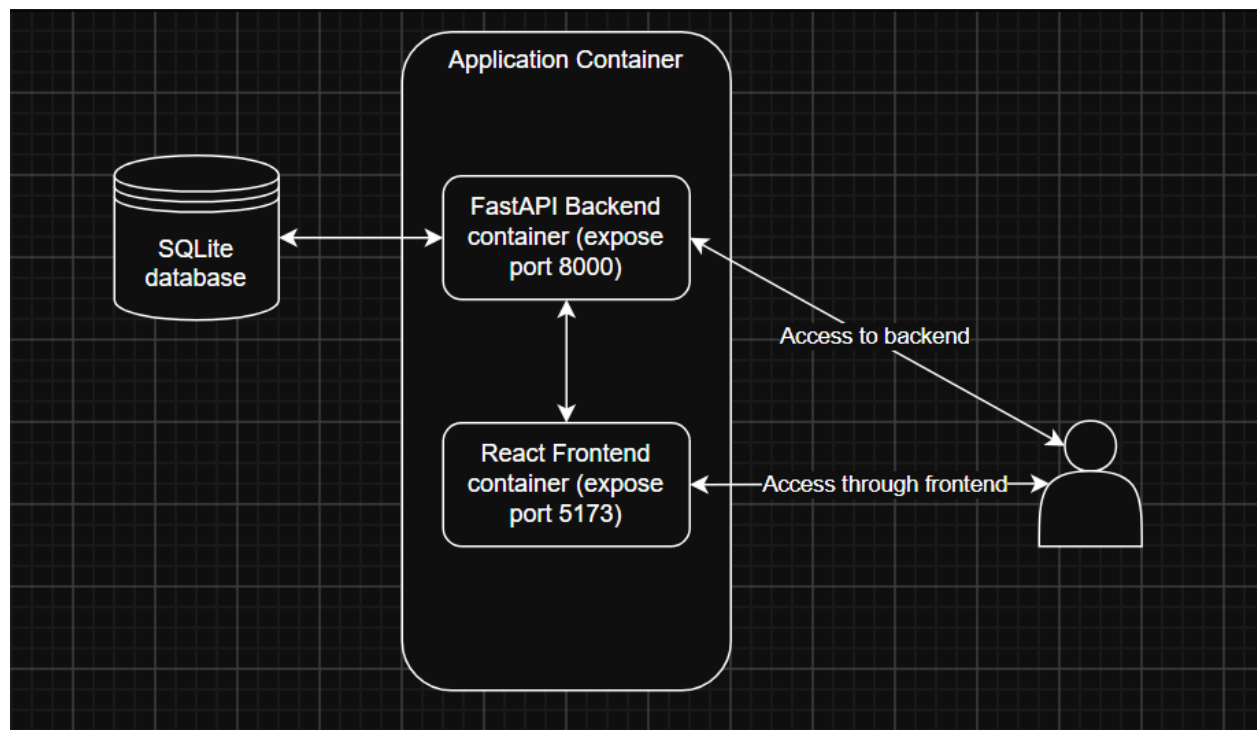
Current implementation

The architecture is made up of 3 components. Based on the current implementation, the user is able to access the frontend and backend.

The Python backend framework used is FastAPI, and is exposed at port 8000.

The database is also exposed to the FastAPI backend. However, the database file is not created within the application container. This is because we would want the records to persist if the application container is shut down.

The React frontend is exposed at port 5173.



Future Improvements

In the ideal case of production, the user should not be able to access the backend to prevent abuse, so a future implementation should include a reverse proxy, and also a api key so that the backend and frontend will have a way to identify with each other.

