

# Amplifir

## Architecture and Design

**Note: Until the first production release of the codebase, this document will only be versioned through Git. After the first production release, all versions of this document must be declared on the first page and copies of each version must exist on the repository.**

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### Solution Architecture

- UI/
  - Presentation/ (Angular code)
  - Web/ (ASP.NET)
    - Controllers/
    - Filters/
    - (...)
  - Desktop/ (Electron.NET)
  - Mobile/
- Core/
  - Interfaces/
  - Exeptions/
  - DTOs/
- Infrastructure/
  - DataAccess/
  - Logging/
  - Services/
    - Email/
    - SMS/
- Infrastructure.DatabaseCode/ (code representing the database schema and content)
- Tests/

# Database

The database is **PostgreSQL**.

The following diagram describes the database schema.

The developer should use it only as a visual representation and he must use the code present in the project “*Amplifir\Amplifir.Infrastructure.DatabaseCode*” as the true and complete representation of the DB, with its definitive data types, checks, indexes, etc.

When a change is made to the database schema, it must be reflected on the *Infrastructure.DatabaseCode* project's code before deployment. Only after that, the diagram and this document should be updated.

The diagram is made using MySQL Workbench diagrams.

