Amplifir

Architecture and Design

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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 code must be written by hand and not auto-generated.

The diagram is made using MySQL Workbench diagrams.