* Introduction
  + The application is designed using CLEAN ARCHITECTURE principles.
  + The idea was to encapsulate the business logic at the core of the application and make it independent of the implementation details.
  + Only the outer layers can refer to the inner layers, hence inner layers are never dependent on the outer layers.
  + Chart, diagram

    Description automatically generated
* Project structure
  + Graphical user interface

    Description automatically generated with low confidence
  + src
    - API
      * PowerDiary.ChatHistory.Api
        + API project contains the controllers for getting the request and passing it on the Application layer.
        + To ensure loosing coupling mediatoR nuget package is used which implements mediator pattern.
        + Controllers create quires for the requests they receive, and it is then handled in the Application layer containing the query handlers.
    - Core
      * PowerDiary.ChatHistory.Application
        + This layer implements the core business logic and defines the contract/interfaces for the persistence layer.
        + Query handler implements the business logic on the data returned by the persistence layer implementing Repository pattern.
        + CQRS pattern is implemented for separating quires from commands.
      * PowerDiary.ChatApplication.Domain
        + Contains the domain entities as POCO for our business model.
    - Infrastructure
      * PowerDiary.ChatApp.Persistance
        + Implements the repositories defined in the Application layers and interacts with the sql server database using entity framework core.
        + Seed data is added in the DBcontext class, and after running migrations and running update database command, sql server local db will be created with the seed data.
  + tests
    - PowerDiary.ChatHistory.Api.IntegrationTests
      * Contains the integration test the controllers with the entire flow of the application.
    - PowerDiary.ChatHistory.Application.UnitTests
      * Contains the unit test to test the handler containing the core business logic of the application.
    - PowerDiary.ChatHistory.Persistance.IntegrationTests
      * Contains the integration tests to test the repositories with entity framework core.