Person

+ Id: int
+ FirstName: string
+ LastName: string
+ BirthDate: DateTime?
+ BirthPlaceId: int?
+ DeathDate: DateTime?
+ DeathPlace: int?
+ PartnerId: int?
+ MotherId: int?
+ FatherId: int?

FamilyTree

+ Database: SqlDatabase

+ Start()
+ MainMenu()
+ AddMember()
+ GetParents()
+ GetSiblings()
+ GetAuntsAndUncles()
+ GetRelatives()
+ SetMember()
+ ChooseMember()
+ ChoosePlace()
- AddDetails()
- SetParents()
- SearchMembers()
- MissingData
- SelectedMember()
- ShowRelatives()
- UpdateMember()
- DisplayDetails()
- DeleteMember()
- SetUp()

SqlDatabase

+ ConnectionString: string
+ DatabaseName: string
+ DataTable: DataTable
+ Query: string

+ CreateDatabase()
+ CreateTable()
+ InsertFamily()
+ InsertPlaces()
+ CreateFullMember()
+ CreateBasicMember()
+ SearchByName()
+ SearchById()
+ SearchByYear()
+ UpdateMember()
+ DeleteMember()
+ DoesMemberExist()
+ GetPlace()
+ GetPlaceId()
+ GetLastAddedId()
+ Search()
+ GetMember()
- ExecuteSql()
- GetDataTable()
- CreatePlace()
- GetCountryId()
- GetMember()
- GetParameters()

Utility

- Sleep: const int

+ PrintTitle()
+ WriteInColor()
+ ReadLine()
+ WriteInDelay()
+ ErrorMessage()
+ GetName()
+ GetAge()
+ GetDateTime()
+ DoesAlreadyExist()
+ BigFail()
+ Success()
+ GetInput()
+ EarlyExit()
+ SkipEntry()
+ IsDateTimeConvertable()

*