

SEW4 - Exercise 12

Exercise 12 - Entity Framework

Code First

The first approach to try is code first where the developer is creating the code “entity classes” first. The database structure is created automatically when your application is connected to the DB for the first time.

Create a Banking application storing bank accounts, transfers and persons. Each person can have 0 to n different accounts and between two accounts there can be 0 to n different transfers.

These are the specifications for the different Entities:

Person:

- First name, last name: name of the person
- Date of Birth: Birthday of the person

Bank account (mostly based on exercise 10):

- Balance: current balance on the account
- Account ID: unique number of the bank account
- Withdraw: method to withdraw money
- Deposit: method to deposit money into the bank account
- Status: Enum representing the status of the account (open, closed, deleted)

Transfer:

- Amount: amount of money to be transferred
- Timestamp: date, time and timezone the transfer was executed

Database first

Create a second command line application. This application should use the same database as created before. To achieve this use the database first approach.