**Technical View**

* Used technologies
  + C# and Visual Studio
  + OpenCV and EmguCV
  + Sqlite
  + Webcam
* Technical scope
  + Algorithm for image comparison
  + Later: add deep learning to improve accuracy
* Architecture:
  + Model – View – Controller
  + UniFCR\_Controller: Contains the Algorithm and the Camera class
  + UniFCR\_Database: Contains all methods for storing and loading data from the database
  + UniFCR\_GUI: Contains all classes for the interface
* Important decisions
  + Using image comparison instead of deep learning
    - Performance issues
    - Time issues
    - Not enough knowledge
  + Programming Language
    - C#
    - Only two people knew how to use python
    - Java is unsuitable for image recognition and deep learning applications