POLITECNICO DI MILANO

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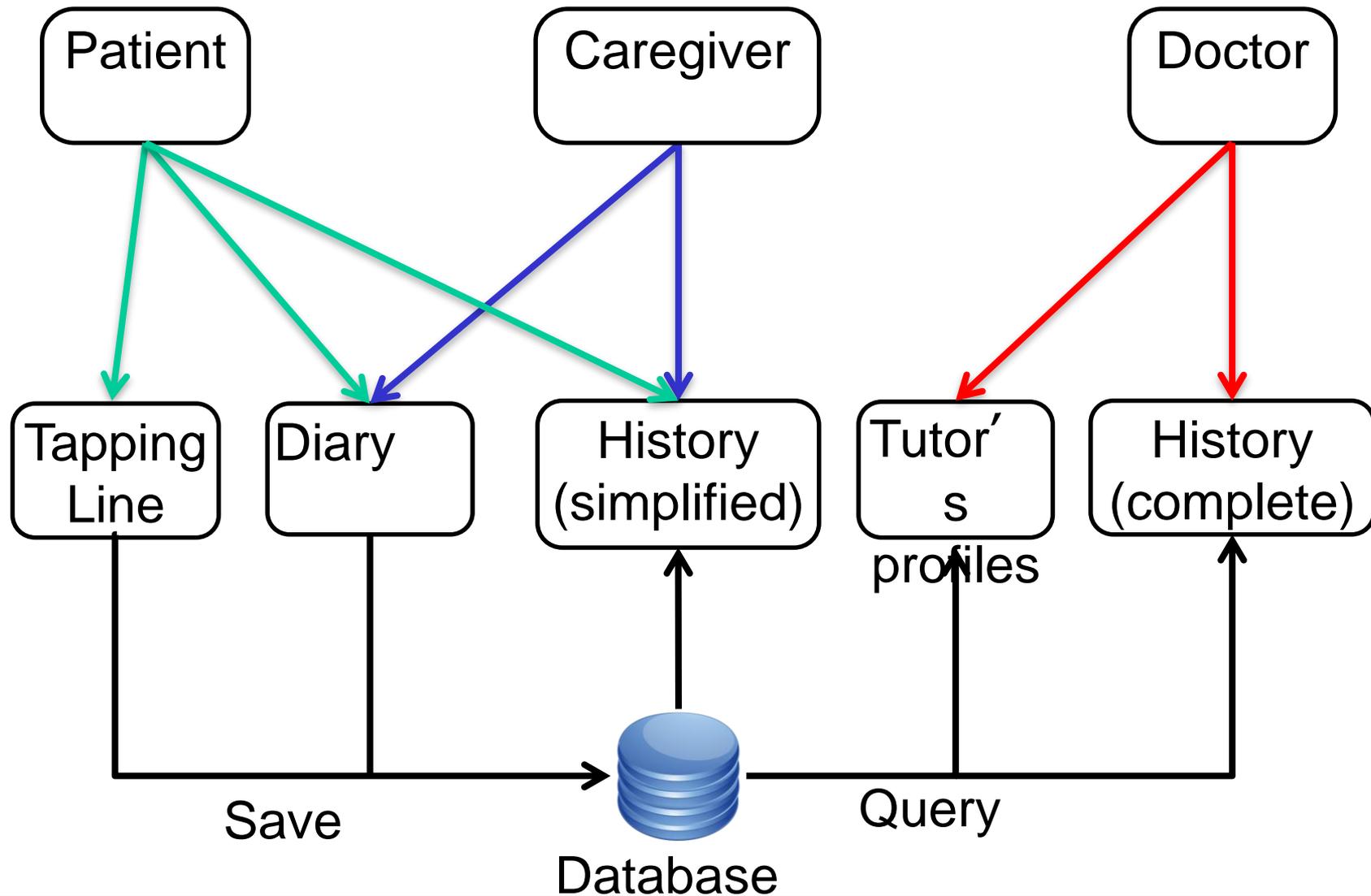
Dipartimento di Bioingegneria

# Aims and targets

- Targets:
  - Patients affected by movement disorder
  - Designed for the family environment at the household

- Aims:
  - Feedback of disorder status for patient
  - Automatic data analysis for supporting doctor's diagnosis
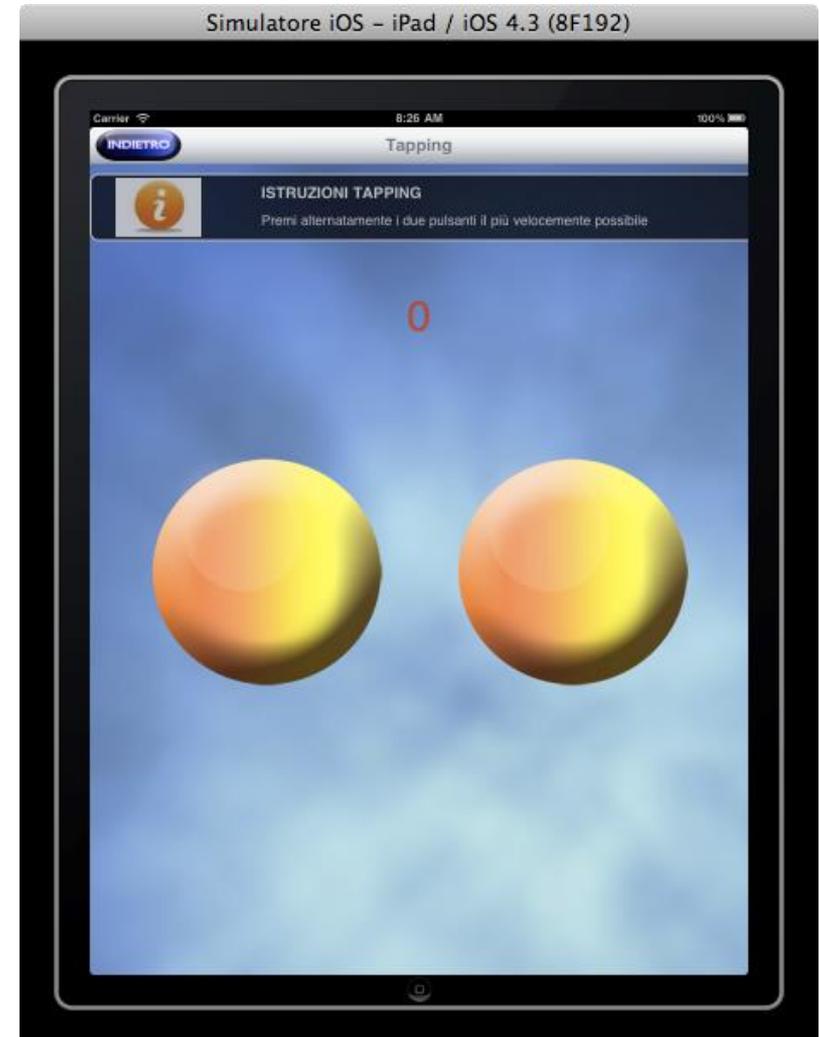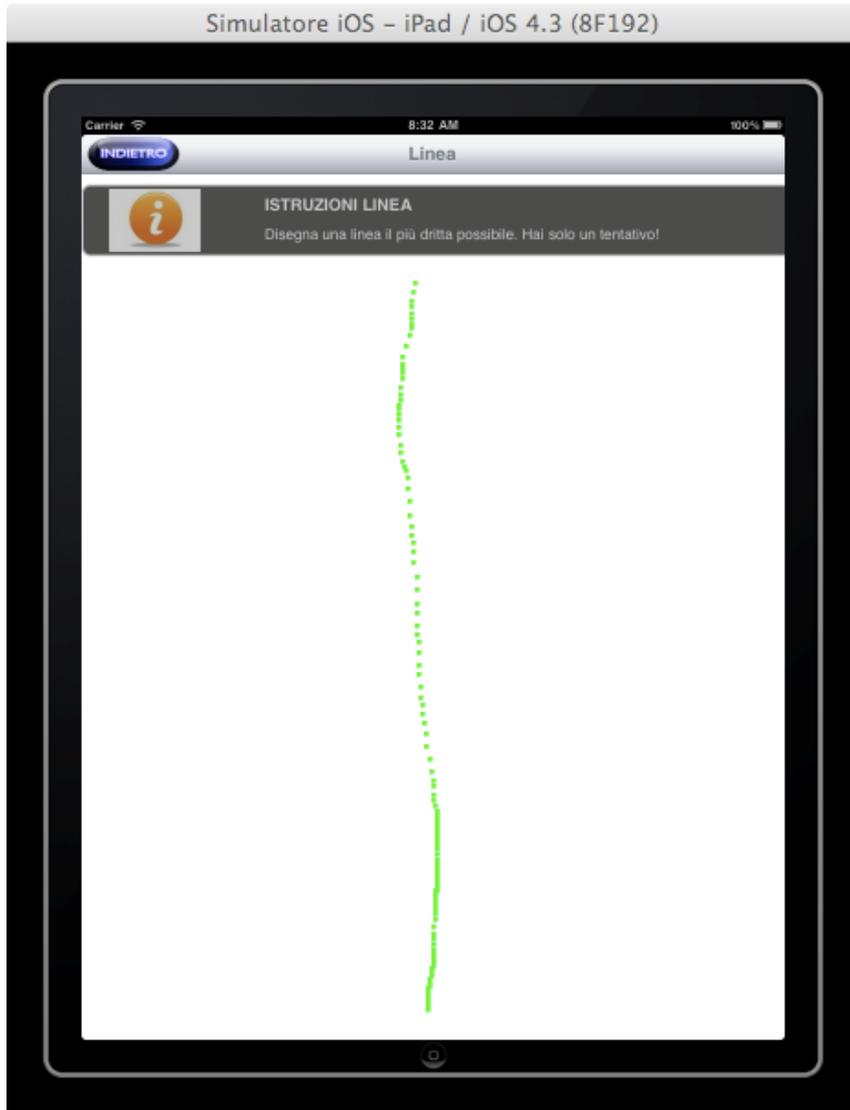  - Remote patients monitoring

# Users′ actions

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Getting the number of buttons′ pressions
(max 10 seconds)

➢ *Information obtained :*

Velocity of patient′s harms

# Line

Draw a straight line (max 20 seconds)

➢ *Information obtained :*

Level of tremor of patient's hand

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Questions about latest events

➢ *Information obtained :*
Patient´s history movement disorder

# History

- Different views of data depending on the user´s type

- Doctor can see specific graphs (ACF,…)

- Doctor can do metadata query in database

# Future developments

- Multilanguage

- Data-Backup in order to make history accessible to doctor′s remote computer

- Extend the target group from the household to hospital environment