



Project Work

Marco Brambilla

@marcobrambi

marco.brambilla@usi.ch

Project Work

- Group work
- No team changes allowed
- Subsequent assignments
- Maximum 3 points on the final mark
- passed with minimum 1.5 points out of 3

total sufficient mark including written exam = 6 points

minimum on written exam = 4 points

Project work – part 1

- Design, store and query graph data on NoSQL DBs
- Contact tracing application for COVID-19 tracing
- People and their connections:
 - Same-family contact by default
 - Contact tracing app and other devices
 - Explicit data collection (e.g., restaurant, theatre, hospital,...)
- Time and place of the contact (when possible)
- Personal data (vaccine, tests, contagion date and place when possible)

Project work – part 1

- Write the specification and hypotheses of the problem and solution
- Design conceptual model (ER or similar)
- Store the data in Neo4J
- Write basic Queries and Commands useful for typical usage scenarios
- Prepare a short report describing the above aspects
- 3 randomly

Project work – part 1

- 3 randomly selected groups will present their work in class
- Optional: if you want you can actually implement also some application / UI or similar (a bonus on the mark will apply)



Università
della
Svizzera
italiana



Data Design and Modeling course

Marco Brambilla

@marcobrambi

marco.brambilla@usi.ch