

2.

<u>UnitID</u>	TutorID	Topic	Room	Date
U1	Tut1	GMT	629	23.02.03
U2	Tut3	Gln	631	18.11.02
U5	Tut3	PhF	632	05.05.03
U4	Tut5	AVQ	621	04.07.03

<u>StudentID</u>	Grade	<u>UnitID</u>
St1	4.7	U1
St1	5.1	U2
St4	4.3	U1
St2	4.9	U5
St2	5.0	U4

TutorID	TutEmail
Tut1	tut1@fhbb.ch
Tut3	tut3@fhbb.ch
Tut5	tut5@fhbb.ch

<u>Topic</u>	Book
GMT	Deumlich
Gln	Zehnder
PhF	Dummlers
AVQ	SwissTopo

3. From 1 NF to 2NF (PK is ProjectName, ProjectManager)

ProjectName	Budget	TeamSize	Project_Manager
Project1	1 kk \$	15	Manager1
Project2	1.5 kk \$	12	Manager2

Project_Manager	Position
Manager1	CTO
Manager2	CTO2

4. Convert to 3NF

<u>Group</u>	Specialty
G1	S1
G2	S2

<u>Specialty</u>	Faculty
S1	F1
S2	F2

5. Convert to BCNF

<u>ProjectID</u>	<u>Department</u>
P1	D1
P2	D2

<u>ProjectID</u>	Curator	TeamSize
P1	E1	100
P2	E2	120

<u>TeamSize</u>	ProjectGroupsNumber
100	5
120	6

- 6.