

1. Give an example for each of the following client-centric models:

- Monotonic Read consistency **Warenkorb, Uhr, git, cvs, svn**
- Monotonic Write consistency **Bankkonto**
- Read your Writes consistency **Facebook, Warenkorb**
- Write follows Read consistency **Warenkorb, Börse**

2. What client-centric model describes the following example? **Read your writes**

| | | | | | | |
|-----|---------------------|-------------------------------------|--------------------|--------------------|--|--------------------|
| L1: | | | | W(x ₁) | | |
| L2: | WS(x ₂) | | | | | |
| L3: | | WS(x ₂ ;x ₃) | R(x ₃) | | | |
| L4: | | | | | | W(x ₄) |

3. What has to be changed to make the example “Write follows Read” consistent?

Vor W(X1) und W(X4) muss WS(X2;X3) ausgeführt werden

4. Explain in detail if the following client-centric consistency model fulfills the Read Your Writes consistency?

| | | | | | | |
|-----|---------------------|---------------------|---------------------|-------------------------------------|-------------------------------------|--------------------|
| L1: | WS(x ₁) | | | | | |
| L2: | | WS(x ₂) | | WS(x ₁ ;x ₂) | WS(x ₃ ;x ₂) | R(x ₂) |
| L3: | | | WS(x ₃) | R(x ₃) | | |

Nicht Read your writes consistent

L3: vor R(X3) fehlt WS(X1;X2)