Theory Section

1. [3 pts] Describe what surrogate keys are (in the context of relational databases):
2. [3 pts] Describe the difference between the Transient and Detached entity states
3. ﻿﻿﻿[3 pts] Explain how Bi-Directional associations are mapped (what do you need to stop them from being 2 uni-directional associations)
4. [3 pts] What does the @MappedSuperClass annotation do?
5. [3 pts] What annotations do you need to map a table that has a composite key?
6. ﻿﻿﻿[3 pts] Explain what the N+1 problem is in Hibernate

1. [3 pts] Describe what Optimistic Concurrency is
2. [3 pts] Describe what Auto Commit Mode is and how it relates to Hibernate

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