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Assignment 3

1. Both. Dirty read occurs when T2 reads X as T1 has not finished writing yet. Lost update occurs when T2 changes X as that will be the result that T1 ends up writing.

2. Lost update only as any change T2 makes is rolled back by T1 afterward. Only T1 updates X.

3. It is not serializable as T1 and T2 could try locking and modifying B at the same time since they run concurrently. At the least, T1 still has B locked by the time T2 tries locking it. This creates a conflict that prevents the schedule from being serializable.