View Popular Sites

Task Decomposition

**Lock Types:** Read-only on User

**Number of Locks:** Single

**Enabling Conditions:** It is enabled by a user’s login

**Frequency:** Low

**Consistency (ACID):** Not critical, order is not critical

**Subtasks:** Mother Task is not needed. No decomposition needed

View PushPin

Task Decomposition

**Lock Types:** Read-only on User or by Pushpin Search

**Number of Locks:** Single

**Enabling Conditions:** It is enabled by a user’s login or Pushpin search

**Frequency:** High

**Consistency (ACID):** Not critical, order is not critical

**Subtasks:** Mother Task is not needed. No decomposition needed

Like/Unlike

Task Decomposition

**Lock Types:** 1 read only lookups of viewing Liked Users and 1 edit of login User’ Like/Unlike status

**Number of Locks:** Several different schema constructs are needed

**Enabling Conditions:** It is enabled by a user’s login and Like/Unlike request.

**Frequency:** High

**Consistency (ACID):** Consistency is critical. It is possible for the user to change his or her mind multiple times and the application should not prevent this. A user cannot like his or her own PushPins and your application should prevent this.

**Subtasks:** All tasks must be done, but cannot be done in parallel. Mother task is required to coordinate subtasks. Order is critical. Lookup of current Liked Users followed by editing existing User’ Like/Unlike status

Post Comment

Task Decomposition

**Lock Types:** 1 read only lookups of viewing existing posted comments and 1 edit of login User’ comments

**Number of Locks:** Several different schema constructs are needed

**Enabling Conditions:** It is enabled by a user’s login and post comment request.

**Frequency:** High

**Consistency (ACID):** Consistency is not critical. Even if the Post Comment is being looked at by many friend of user.

**Subtasks:** All tasks must be done, but cannot be done in parallel. Mother task is required to coordinate subtasks. Order is not critical.