**Relational Schema**

|  |
| --- |
| **User** (user\_id, username, password)  **PK:** user\_id |
| **Forum** (forum\_id, title\_txt, timestamp\_created, timestamp\_modified, timestamp\_deleted, lastPost\_id, lastCommentPost\_id, lastComment\_id author\_id, parentForum\_id)  **PK:** forum\_id  **FK:** author\_id **REFERENCES** User (user\_id)  **FK:** lastPost\_id **REFERENCES** Post (post\_id)  **FK:** lastCommentPost\_id **REFERENCES** Comment (post\_id)  **FK:** lastComment\_id **REFERENCES** Comment (comment\_id)  **FK:** author\_id **REFERENCES** User (user\_id)  **FK:** parentForum\_id **REFERENCES** Forum (forum\_id) |
| **Post** (post\_id, title\_txt, body\_txt, timestamp\_created, timestamp\_modified, timestamp\_deleted, parentForum\_id, author\_id)  **PK:** post\_id, parentForum\_id  **FK:** parentForum\_id **REFERENCES** Forum (forum\_id)  **FK:** author\_id **REFERENCES** User (user\_id) |
| **Comment** (comment\_id, body\_txt, timestamp\_created, timestamp\_modified, timestamp\_deleted, parentPost\_id, parentForum\_id, author\_id)  **PK:** comment\_id, parentPost\_id, parentForum\_id  **FK:** parentPost\_id **REFERENCES** Post (post\_id)  **FK:** parentForum\_id **REFERENCES** Post (parentForum\_id)  **FK:** author\_id **REFERENCES** User (user\_id) |