

# CSC309 Data Model

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## Schema

- User(uID, username, password, name, email, avatar, phoneNumber)
- CodeTemplate(ctID, uID, title, explanation, tags, code, forkID, private)  
The forkID is the ctID of the original template, null if the template is not forked. **Integrity Constraints:**
  - CodeTemplate[uID]  $\subseteq$  User[uID]
  - CodeTemplate[forkID]  $\subseteq$  CodeTemplate[ctID]
- Blog(bID, uID, title, description, tags, links, flags) **Integrity Constraints:**
  - Blog[uID]  $\subseteq$  User[uID]
- Comment(cID, bID, uID, up, down, content) **Integrity Constraints:**
  - Comment[uID]  $\subseteq$  User[uID]
  - Comment[bID]  $\subseteq$  Blog[bID]