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1  package ballmerpeak.turtlenet.server;
2
3  class DBStrings {
4      public static final String[] createDB = {
5          "CREATE TABLE tConvos (" +
6              "convoID      TEXT," +                //sig
7              "timeCreated TEXT," +
8              "PRIMARY KEY (convoID)" +
9              ");",
10
11          "CREATE TABLE tConvoKeys (" +
12              "pk          INTEGER PRIMARY KEY AUTOINCREMENT," +
13              "convoID TEXT," +
14              "key         TEXT" +
15              ");",
16
17          "CREATE TABLE tConvoMessages (" +
18              "pk          INTEGER PRIMARY KEY AUTOINCREMENT," +
19              "convoID     TEXT," +
20              "sendersKey  TEXT," +
21              "msgText     TEXT," +
22              "time        TEXT" +
23              ");",
24
25          "CREATE TABLE tPost (" +
26              "sig         TEXT," +
27              "msgText     TEXT," +
28              "time        TEXT," +
29              "recieverKey TEXT," +                //person whos wall it was posted on
30              "sendersKey  TEXT," +
31              "PRIMARY KEY (sig));",
32
33          "CREATE TABLE tPostVisibleTo (" +
34              "pk          INTEGER PRIMARY KEY AUTOINCREMENT," +
35              "postSig     TEXT," +
36              "key         TEXT" +
37              ");",
38
39          "CREATE TABLE tUser (" +
40              "key         TEXT," +
41              "username   TEXT," +
42              "knowName   INT," +                //1 if we know the username for this key, 0 otherwise
43              "email      TEXT," +
44              "name       TEXT," +
45              "gender     TEXT," +
46              "birthday   TEXT," +
47              "PRIMARY KEY (key));",
48
49          "CREATE TABLE tCategory (" +
50              "catID      TEXT," +                //sig
51              "canSeePDATA INT," +                //1 if category can see pdata, 0 otherwise
52              "PRIMARY KEY (catID));",
53
54          "CREATE TABLE tCategoryMembers (" +
55              "pk          INTEGER PRIMARY KEY AUTOINCREMENT," +
56              "catID      TEXT," +
57              "userKey     TEXT" +
58              ");",
59
60          "CREATE TABLE tEvent (" +
61              "sig         TEXT," +
62              "startTime   TEXT," +
63              "endTime     TEXT," +
64              "creatorKey  TEXT," +
65              "accepted    INT," +                //1 if accepted, 0 otherwise
66              "name        TEXT," +
67              "creationTime TEXT," +
68              "PRIMARY KEY (sig));",
69
70          "CREATE TABLE tClaim (" +
71              "sig         TEXT," +
72              "name        TEXT," +
73              "claimTime   TEXT," +
74              "PRIMARY KEY (sig));",
75
76          "CREATE TABLE tLike (" +
77              "pk          INTEGER PRIMARY KEY AUTOINCREMENT," +
78              "likerKey     TEXT," +
79              "parent      TEXT" +                //sig of thing being liked
80              ");",
81
82          "CREATE TABLE tComment (" +
83              "sig         TEXT," +
84              "msgText     TEXT," +
85              "senderKey   TEXT," +
86              "parent      TEXT," +                //sig of thing being commented
87              "creationTime TEXT," +
88              "PRIMARY KEY (sig));",
89
90          "CREATE TABLE tRevocations (" +
91              "key         TEXT," +
92              "sig         TEXT," +
93              "timeOfLeak  TEXT," +

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94         "creationTime TEXT, "+
95         "PRIMARY KEY (sig));",
96     };
97
98     public static final String getPDATA = "SELECT __FIELD__ FROM tUser WHERE key = '___KEY___';";
99     public static final String getWallPostSigs = "SELECT sig FROM tPost WHERE recieverKey = '___KEY___';";
100    public static final String getPost = "SELECT time, sig, msgText, recieverKey, sendersKey FROM tPost WHERE
sig = '___SIG___';";
101    public static final String getPostSender = "SELECT sendersKey FROM tPost WHERE sig = '___SIG___';";
102    public static final String getVisibleTo = "SELECT key FROM tPostVisibleTo WHERE postSig = '___SIG___';";
103    public static final String getConversation = "SELECT sendersKey, msgText, time FROM tConvoMessages WHERE convoID =
'___SIG___';";
104    public static final String getConversations = "SELECT * FROM tConvos;";
105    public static final String getConversationMembers = "SELECT key FROM tConvoKeys WHERE convoID = '___SIG___';";
106    public static final String getConversationMessages = "SELECT sendersKey, time, msgText FROM tConvoMessages WHERE convoID
= '___SIG___';";
107    public static final String getKey = "SELECT key FROM tUser WHERE username = '___USERNAME___';";
108    public static final String getCategories = "SELECT * FROM tCategory;";
109    public static final String getCategory = "SELECT * FROM tCategory WHERE catID = '___CATNAME___';";
110    public static final String canSeePDATA = "SELECT canSeePDATA FROM tCategory WHERE catID = '___CATID___';";
111    public static final String categoriesCanSeePDATA = "SELECT catID FROM tCategory WHERE canSeePDATA = 1;";
112    public static final String getAllKeys = "SELECT key FROM tUser;";
113    public static final String getMemberKeys = "SELECT userKey FROM tCategoryMembers WHERE catID = '___CATNAME___';";
114    public static final String getName = "SELECT username FROM tUser WHERE key = '___KEY___';";
115    public static final String getClaims = "SELECT * FROM tClaim;";
116    public static final String getLike = "SELECT * FROM tLike WHERE parent = '___SIG___';";
117    public static final String getComments = "SELECT * FROM tComment WHERE parent = '___PARENT___';";
118    public static final String getComment = "SELECT * FROM tComment WHERE sig = '___SIG___';";
119    public static final String getRevocations = "SELECT * FROM tRevocations;";
120    public static final String isRevoked = "SELECT key FROM tRevocations WHERE key = '___KEY___';";
121    public static final String mostRecentWallPost = "SELECT maxtime FROM tPost " +
122    "INNER JOIN " +
123    "(SELECT MAX(time) maxtime, recieverKey FROM tPost GROUP BY
recieverKey) AS temp "+
124    "ON tPost.recieverKey = temp.recieverKey AND tPost.time = temp.maxtime
"+
125    "WHERE tPost.recieverKey = '___KEY___';";
126
127    public static final String addPost = "INSERT INTO tPost (sig, msgText, time, recieverKey, sendersKey)" +
128    "VALUES ('___SIG___', '___msgText___', '___time___', '___recieverKey___',
'___sendersKey___');";
129    public static final String addPostVisibility = "INSERT INTO tPostVisibleTo (postSig, key)" +
130    "VALUES ('___postSig___', '___key___');";
131    public static final String addKey = "INSERT INTO tUser (key) VALUES ('___key___');";
132    public static final String setUsername = "UPDATE tUser SET username = '___name___' WHERE key = '___key___';";
133    public static final String removeClaim = "DELETE FROM tClaim WHERE sig = '___sig___';";
134    public static final String addClaim = "INSERT INTO tClaim (sig, name, claimTime) VALUES ('___sig___',
'___name___', '___time___');";
135    public static final String addRevocation = "INSERT INTO tRevocations (key, sig, timeOfLeak, creationTime) VALUES
('___key___', '___sig___', '___time___', '___creationTime___');";
136    public static final String updateRevocationKey = "UPDATE tRevocations SET key = '___KEY___' WHERE sig = '___SIG___';";
137    public static final String addPDATA = "UPDATE tUser SET __field__ = '___value___' WHERE key = '___key___';";
138    public static final String addConvo = "INSERT INTO tConvos (convoID, timeCreated) VALUES ('___sig___',
'___time___');";
139    public static final String addConvoParticipant = "INSERT INTO tConvoKeys (convoID, key) VALUES ('___sig___', '___key___');";
140    public static final String addMessageToConvo = "INSERT INTO tConvoMessages (convoID, sendersKey, msgText, time)" +
141    "VALUES ('___convoID___', '___sendersKey___', '___msgText___',
'___time___');";
142    public static final String addComment = "INSERT INTO tComment (sig, msgText, senderKey, parent, creationTime)" +
143    "VALUES ('___sig___', '___msgText___', '___senderKey___', '___parent___',
'___creationTime___');";
144    public static final String addLike = "INSERT INTO tLike (likerKey, parent) VALUES ('___likerKey___',
'___parent___');";
145    public static final String removeLike = "DELETE FROM tLike WHERE likerKey = '___likerKey___' AND parent =
'___parent___';";
146    public static final String addEvent = "INSERT INTO tEvent (sig, startTime, endTime, creatorKey, accepted,
name, creationTime)" +
147    "VALUES ('___sig___', '___startTime___', '___endTime___',
'___creatorKey___', '___accepted___', '___name___', '___creationTime___');";
148    public static final String acceptEvent = "UPDATE tEvent SET accepted = 1 WHERE sig = '___sig___';";
149    public static final String declineEvent = "UPDATE tEvent SET accepted = -1 WHERE sig = '___sig___';";
150    public static final String updatePDATApermission = "UPDATE tCategory SET canSeePDATA = __bool__ WHERE catID =
'___catID___';";
151    public static final String addCategory = "INSERT INTO tCategory (catID, canSeePDATA) VALUES ('___catID___',
'___canSeePDATA___');";
152    public static final String addToCategory = "INSERT INTO tCategoryMembers (catID, userKey) VALUES ('___catID___',
'___key___');";
153    public static final String removeFromCategory = "DELETE FROM tCategoryMembers WHERE catID = '___catID___' AND userKey =
'___key___';";
154
155    //revocation stuff
156    public static final String removeMessageAccess = "DELETE FROM tConvoKeys WHERE key = '___KEY___';";
157    public static final String removeMessages = "DELETE FROM tConvoMessages WHERE sendersKey = '___KEY___';";
158    public static final String removePosts = "DELETE FROM tPost WHERE sendersKey = '___KEY___';";
159    public static final String removePostVisibility = "DELETE FROM tPostVisibleTo WHERE key = '___KEY___';";
160    public static final String removeUser = "DELETE FROM tUser WHERE key = '___KEY___';";
161    public static final String removeFromCategories = "DELETE FROM tCategoryMembers WHERE userKey = '___KEY___';";
162    public static final String removeLikes = "DELETE FROM tLike WHERE likerKey = '___KEY___';";
163    public static final String removeComments = "DELETE FROM tComment WHERE senderKey = '___KEY___';";
164    public static final String removeEvents = "DELETE FROM tEvent WHERE creatorKey = '___KEY___';";
165    }

```