



| 1 | tblSessions |             |                  |  |  |
|---|-------------|-------------|------------------|--|--|
|   | +#userID    | integer(10) | Nullable = false |  |  |
|   | sessionID   | integer(10) | Nullable = false |  |  |
|   | expiration  | date        | Nullable = false |  |  |
|   |             |             |                  |  |  |

|        | tbiMessages |               |                  |  |
|--------|-------------|---------------|------------------|--|
|        | +messageID  | integer(10)   | Nullable = false |  |
| $\leq$ | #userID     | integer(10)   | Nullable = false |  |
|        | postDate    | date          | Nullable = false |  |
|        | title       | varchar(4096) | Nullable = false |  |
|        | message     | varchar(4096) | Nullable = false |  |

| 1               | tblMedia      |              |                  |  |
|-----------------|---------------|--------------|------------------|--|
|                 | +mediaID      | integer(10)  | Nullable = false |  |
| $\triangleleft$ | # messageID   | integer(10)  | Nullable = false |  |
|                 | mediaType     | varchar(50)  | Nullable = false |  |
|                 | mediaLocation | varchar(255) | Nullable = false |  |

## **Stored Procedures**

spValidateUser(userName : varchar, password : varchar)

spPostNewMessage(sessionID: integer, title: varchar, message: varchar)

spValidateSession(sessionID : integer)

spPostMsgAttachment(sessionID : integer, messageID : integer, mediaTypr : varchar, mediaLocation : varchar)

spNewSessionID(userName : varchar)

spGetUserFromSession(sessionID: integer)

spDeleteUser(userID : integer)

spCreateUser(userName : varchar, password : varchar)

spClearExpiredSessions()