**UserAccounts.cs**

*Version 437*

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| **Author** | Nathan Horn | **Date** | 4/25/2011 |
| **File Name** | UserAccounts.cs | **File Version** | 437 |
| **File Location** | /SharedCode/UserAccounts.cs | | |
| **File Uses** | DatabaseIO.cs, SQL\_Queries.cs | | |
| **File Used By** | Login.cs, Menu.cs, User\_Mngt.cs | | |
| **Reason for Editing** |  | | |

| **Method** | **Line #** | **Purpose** | **Pre-Condition** | **Post-Condition** |
| --- | --- | --- | --- | --- |
| ProtectPassword | 32 | This method will take a password and return the salted hash version to be stored in the database. | There is a non-hashed password that we need the hash value for. | A string containing the hash for the specified password is returned. |
| EditAccount | 49 | Allows an account record to be updated. | Details for a user account needs to be updated. | The updates are executed on the database. If they are successful true is returned else false is returned. |
| deleteUser | 102 | Deletes a user account as well as all roles associated with it. | Have a user account that needs to be deleted. | The account is deleted and all associated roles removed. |
| userHasRole | 118 | Checks to see if a user has a role. | Have a role and want to know if a user account has the role. | If user has the role true is returned else false is returned. |
| loginTimestamp | 154 | Updates the last login timestamp for a specific username. | A user has just logged in so the last login timestamp needs to be updated. | Timestamp in database is updated. |
| getUsers | 163 | Retrieves all user accounts currently in the system. | There are existing users in the database. | A Dataset of all users is returned. |
| getUserAccountRecord | 173 | Retrieves all data associated with a specific user account. | There is a specific user account for which we need all details for. | A dataset of the specified users details is returned to the calling method. |
| getRoles | 182 | Retrieves all available roles in the database. | There are defined roles in the database. | A dataset of all available roles is returned. |
| getUserAssignedRoles | 192 | Retrieves all roles assigned to a username. | There is an existing user account for which we need the currently assigned roles for. | A roles assigned to the specified user are returned. |
| add\_delete\_Roles | 203 | Adds or removes roles from a user. | An existing user account needs a role either added or removed. | The specified role is either added or deleted from the specified user. |
| setUser | 223 | Adds a user account record to the database. | A new user account needs to be created. | The account is created and added to the database. |