SFCS

A picture containing drawing

Description automatically generated

Security First Custom Systems

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# Introduction

The custom web application is set up to manage a non-profit organization. It has a public section and a private section to serve as an all in one package. This will require testing the access control via accounts and permissions. This will also require testing of the data management via several tables that are stored in a SQL server database.

## 

## Scope

We will be testing the application with accounts at various permission levels and all the tables in the project.

Test Strategies

Local test: Test all the tables with all the possible permissions. We will have accounts for each permission combo and then go through all the tables. This allows for fine grained debugging.

Azure test: Repeat the local test live on the cloud platform. At this point the application should be bug free from the local test and should only be testing the platform element.

Testing Tools

We will be using Visual Studio’s debugger as well as SQL server object explorer to view the data in the database. In addition to that we will use chrome developer tools and a special ASP.net error view set up to show some of the important elements. Once we transition to the Azure host test we will use SQL Server Management Studio to connect the database in the cloud and retrieve the content in all the tables and an Azure Portal tool to open up remote connections to the database.

# Functions Tested

|  |  |  |
| --- | --- | --- |
| Pass | Fail | Test Case |
|  |  | HomeLayout-Contact Us, Unauthenticated access allowed |
|  |  | HomeLayout-Make a Donation, Unauthenticated access allowed |
|  |  | HomeLayout-Events, Unauthenticated access allowed |
|  |  | HomeLayout-News, Unauthenticated access allowed |
|  |  | HomeLayout-Login, Unauthenticated access allowed, successful login, shows the username in upper right of home page |
|  |  | HomeLayout-Login, Unauthenticated access allowed, unsuccessful login, shows error keeps user on the login so they can tweek and try again |
|  |  | HomeLayout-Login, Unauthenticated access allowed, unsuccessful login followed by successful login, shoes the username in upper right of home page |
|  |  | HomeLayout-Register, unauthenticated access allowed, successful creation |
|  |  | HomeLayout-Register, unauthenticated access allowed, unsuccessful account error shown |
|  |  | HomeLayout-Register, unauthenticated access allowed, unsuccessful account error shown, successful attempt after this |
|  |  | HomeLayout-Logout, unauthenticated user does not have access to this. |
|  |  | HomeLayout-Logout, authenticated user is able to logout |
|  |  | HomeLayout-Dashboard, unauthenticated user unable to access this |
|  |  | HomeLayout-Dashboard, authenticated user is able to move to the dashboard |
|  |  | Dashboard-Home, authenticated user is able to go back to the home page. |
|  |  | Dashboard-Logout, authenticated user is able to logout of their account and returns them to the home page |
|  |  | Dashboard-LoadAccountsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadAccountsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateAccountsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateAccountsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteAccountsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteAccountsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteAccountsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateAccountsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateAccountsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateAccountsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadDonationsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadDonationsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateDonationsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateDonationsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteDonationsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteDonationsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteDonationsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateDonationsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateDonationsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateDonationsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadDuesTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadDuesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateDuesTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateDuesTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteDuesTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteDuesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteDuesTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateDuesTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateDuesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateDuesTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadEmployeesTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadEmployeesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateEmployeesTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateEmployeesTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteEmoloyeesTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteEmployeesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteEmployeesTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateEmployeesTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateEmployessTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateEmployeesTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadEventsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadEventsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateEventsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateEventsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteEventsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteEventsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteEventsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateEvnetsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateEventsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateEventsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadEventTypesTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadEventTypesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateEventTypesTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateEventTypesTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteEventTypesTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteEventTypesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteEventtypesTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateEventTypesTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateEventTypesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateEvnetTypesTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadFundsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadFundsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateFundsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateFundsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteFundsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteFundsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteFundsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateFundsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateFundsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateFundsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadGroupandAccountTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadGroupandAccountTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateGroupandAccountTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateGroupandAccountTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteGroupandAccountTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteGroupandAccountTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteGroupandAccountTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateGroupandAccountTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateGroupandAccountTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateGroupandAccountTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadGroupManagementTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadGroupManagementTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateGroupManagementTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateGroupManagementTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteGroupManagementTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteGroupManagementTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteGroupManagementTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateGroupManagementTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateGroupManagementTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateGroupManagementTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadMembershipsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadMembershipsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateMembershipsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateMembershipsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteMembershipsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteMembershipsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteMembershipsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateMembershipsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateMembershipsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateMembershipsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadMemberTypesTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadMemberTypesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateMemberTypesTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateMemberTypesTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteMemberTypesTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteMemberTypesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteMemberTypesTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateMemberTypesTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateMemberTypesTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateMemberTypesTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadNewsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadNewsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateNewsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateNewsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteNewsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteNewsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteNewsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateNewsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateNewsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateNewsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadPermissionsTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadPermissionsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreatePermissionsTbl, permissions are good, access success GET |
|  |  | Dashboard-CreatePermissionsTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeletePermissionsTbl, permissions are good, access success GET |
|  |  | Dashboard-DeletePermissionsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeletePermissionsTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdatePermissionsTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdatePermissionsTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdatePermissionsTbl, permissions are good, access success POST data |
|  |  | Dashboard-LoadWorkScheduleTbl, permissions are good , access success GET only |
|  |  | Dashboard-LoadWorkScheduleTbl, permissions are bad, access denied GET |
|  |  | Dashboard-CreateWorkScheduleTbl, permissions are good, access success GET |
|  |  | Dashboard-CreateWorkScheduleTbl, permissions are good, access success POST data |
|  |  | Dashboard-DeleteWorkScheduleTbl, permissions are good, access success GET |
|  |  | Dashboard-DeleteWorkScheduleTbl, permissions are bad, access denied GET |
|  |  | Dashboard-DeleteWorkScheduleTbl, permissions are good, access success POST data |
|  |  | Dashboard-UpdateWorkScheduleTbl, permissions are good, access success GET |
|  |  | Dashboard-UpdateWorkScheduleTbl, permissions are bad, access denied GET |
|  |  | Dashboard-UpdateWorkScheduleTbl, permissions are good, access success POST data |

Conclusion

We tested all the functions locally and then on the host Azure. No failures found