Test Plan: [Titel]

I. Introduction

Purpose of the Test Plan:  
To outline the approach of testing a Blazor web app with Identity

Scope:

This plan covers the testing for registrations, login functionality, compatibility between Windows and Linux operating systems.

Features to be Tested:

1. User registration

2. 2-factor authenticator

3. User login

4.Compatibility between Windows and Linux ops

II. Test Environment

Windows Environment:

1. Required testing compatibility on Windows ops

2. Windows 10 or later systems

3. Visual studio & .NET 8

4. Virtualization activation on computer

5. Connection string changed name, to a more easier readable name

6. Use Package manager to do a Migration with Update-database

Linux Environment:

1. WSL and Ubuntu installs for Visual studio

2. .NET 8 on Linux(WSL)

3. Use SQLite for database and connection string

4. Update service in the web-app so it takes the new string

5. Use Package manager to ( add-migration [Name] -context [DatabaseName])

6. WSL cant use max for its chars so changes to a number that is wanted

III. Test Cases *(can be* ***security test****,* ***compatibility test****,* ***performance test*** *and so on, choose from sprint backlog what can be testet…)*

* Compatibility Tests

Objective: To make sure Web-app can run on cross platform systems

Steps: Test enviroments for Windows and Linux

Expected: The Web-app should run identically on both Enviroments

* User registration test

Objective: Verifying the user registration

Steps:

1.Navigate to registration page

2. Fill out the blank parts for information needed to register

3. Then click on register button

4. Verify the QR code

Expected: Should redirect to QR code for 2-factor Authentication

* 2-factor Authentication test

Objective: To verify the user with 2-factor authentication to use the Web-app

Steps:

1.Navigate to registration page

2. Fill out the blank parts for information needed to register

3. Then click on register button

4. Verify the QR code

Expected: Should redirect to Home page after succes with setting up 2-factor Authentication

* User-login test

Objective: Verfifying users with QR code and authenticator

Steps:

1. Scan QR code

2. Navigate to login page

3. Fill in the login information and press login

4. Verify 2-factor shows and works, so users gets logged in

Expected: 2-factor is needed to for users to login with.

IV. Conclusion

* Summary of Test Results - All tests were executed without any issuies

Recommendations - Do more tests to give a better performance view if adding more to the web-app