Access Management Framework

**Functional Requirement Specification Document**

Contents

[1. Introduction 3](#_Toc149636553)

[2. Purpose 3](#_Toc149636554)

[3. Scope 3](#_Toc149636555)

[4. Functional Requirements 3](#_Toc149636556)

[4.1 Authentication 3](#_Toc149636557)

[4.2 Member Management 3](#_Toc149636558)

[4.3 User Management 3](#_Toc149636559)

[4.4 User Group Management 3](#_Toc149636560)

[4.5 Workspace Type Management 3](#_Toc149636561)

[4.6 Module Management 3](#_Toc149636562)

[4.7 Module Action Management 3](#_Toc149636563)

[4.8 Role Management 3](#_Toc149636564)

[4.9 Role Group Management 3](#_Toc149636565)

[4.10 Workspace Management 3](#_Toc149636566)

[4.11 Workspace User Management 4](#_Toc149636567)

[4.12 Workspace User Role Management 4](#_Toc149636568)

[5. Non-Functional Requirements 4](#_Toc149636569)

[6. Constraints 4](#_Toc149636570)

[7. Assumptions 4](#_Toc149636571)

[8. Dependencies 4](#_Toc149636572)

[9. Glossary 4](#_Toc149636573)

1. Introduction

The Access Management Framework Requirement Specification Document defines the essential functional and non-functional requirements for the development of the Access Management Framework (AMF). The Access Management Framework is envisioned as a reusable solution designed to streamline and standardize the implementation of authentication and authorization within software applications. This document outlines the project's objectives, scope, and intended audience while providing a comprehensive overview of the framework's requirements.

1. Purpose

The purpose of this Requirement Specification Document is to outline the functional and non-functional requirements for the development of **Access Management Framework** (AMF). This document serves as a comprehensive guide for stakeholders, project managers, and development teams, providing a clear understanding of the project's objectives and constraints.

1. Scope

.

1. Functional Requirements

Functional requirements for this system specify the specific functionalities and behaviours that must exhibit to full-fill its purpose.

* 1. Authentication
  2. Admin Application
     1. Admin Member Management
        1. Can view existing member’s profile.
        2. Manage activation and deactivation of member account.
        3. Allow members to permanently delete their accounts if desired.
        4. Allow to create custom roles with specific permissions.
        5. Allow to create/ edit/ remove roles.
        6. Allow to log actions performed by admin ensuring accountability.
  3. Member Application
     1. Member Management

“Members” are the subscribers of an application.

A Member can have one or more users.

Member management has the following functionalities:

1. Member Registration
2. Manage Member Information
   * + 1. Member Registration
          1. A Member must have an email address for registration.
          2. Email address of each member must be unique.
          3. Enable or disable public email addresses.
          4. Registration through OTP.
          5. Use captcha to prevent automated bots from registering fake accounts.
          6. Include a checkbox to agree to the terms of service and privacy policy during registrations.
       2. Manage Member Registration
          1. Allow members to create profile.
          2. Allow members to edit their personal information’s in the profile.
          3. Allow members to view and search profiles.
          4. Allow members for notification setting.
   1. User Management
   2. Subscription Management
   3. User Group Management
   4. Workspace Type Management
   5. Module Management
   6. Module Action Management
   7. Role Management
   8. Role Group Management
   9. Workspace Management
   10. Workspace User Management
   11. Workspace User Role Management
3. Non-Functional Requirements

.

1. Constraints

.

1. Assumptions

.

1. Dependencies

.

1. Glossary

.