### Business Requirement Document for Gocloak

#### 1. **Introduction**

* **Project Name**: Gocloak
* **Purpose**: To develop an alternative to Keycloak, providing enhanced features and addressing its limitations.
* **Document Version**: 1.0
* **Date**: April 23, 2025

#### 2. **Business Objectives**

* **Objective 1**: Provide a more efficient and scalable identity and access management solution.
* **Objective 2**: Enhance user experience with simplified setup and configuration.
* **Objective 3**: Address specific limitations of Keycloak, such as make it light-weight.

#### 3. **Scope**

* **In Scope**: Development of core functionalities similar to Keycloak, including Single Sign-On (SSO), user identity management, and support for multiple protocols (OpenID Connect, OAuth 2.0, MFA, JWT-baed token)
* **Out of Scope**:
  + Social login integrations
  + Federation of external identity providers
  + SAML support
  + Complex customizable authentication flows

#### 4. **Requirements**

* **Functional Requirements**:
  + **User Authentication**: Support for multiple authentication methods (password, OTP).
  + **Authorization**: Role-based access control and fine-grained permissions.
  + **SSO**: Single Sign-On capabilities across multiple applications.
  + **Admin Console**: Web-based GUI for configuration and management
* **Non-Functional Requirements**:
  + **Performance**: Efficient handling of large user bases and high traffic.
  + **Scalability**: Ability to scale horizontally to support growing user demands
  + **Security**: Compliance with industry standards for data protection and encryption.

#### 5. **Stakeholders**

* **Product Owner**: Intimation Team
* **Project Manager**: [Name]
* **Development Team**: [Names]
* **End Users**: Organizations requiring identity and access management solutions.

#### 6. **Assumptions and Constraints**

* **Assumptions**:
  + The development team has access to necessary resources and tools.
  + Stakeholders are available for regular feedback and reviews.
* **Constraints**:
  + Limited budget and timeline for initial development phase.
  + Dependency on third-party services for certain integrations.