**Requirement Document for RikiPDYea**

**1. Introduction**

**1.1 Purpose**

The purpose of this document is to outline the requirements for the development of RikiPDYea.

**1.2 Scope**

This document will define the features, functionalities of RikiPDYea

**Feature 1 and 2: MongoDB integration and User profile**

**Rationale:** The need for centralized and scalable storage, improved data consistency, and enhanced search capabilities prompts the adoption of MongoDB database technology, coupled with MongoDB Compass as the management tool. The implementation involves establishing a MongoDB database and subsequently modifying the application's backend to seamlessly interact with the database through MongoDB queries. This transition ensures more efficient and scalable data management for the application.

Also, the need to users to view each other’s profile for their biographies.

**Epic:** As a user, the Content Management epic focuses on providing efficient and organized ways to save, search, and manage pages within the application. Additionally, it introduces a user profile feature to enhance the user experience.

* As a user, I want to save pages with titles, descriptions, and tags so that I can retrieve them later.
* As a user, I want to search for pages by urls, titles, content, or tags to find relevant information quickly.
* As an author, I want to delete/update my created pages to manage the content I have shared.
* Introduce user profiles where each user can create a personalized account.
* Users can view and manage their saved pages within their profiles.

**Feature 3: User Registration**

**Rationale:** The feature is needed because in the first version users can only log in. We want to add a feature where users can sign up.

**Epic:** As a user, I want to be sign up for the RikiPDYea so that I have my own account.

* As a user, I should have access to registration from to create an account.
* The form should validate user inputs to ensure they meet specified criteria.
  + Criteria1: Username already exists
  + Criteria2: Password and confirm password should match
* When a user submits the registration form, a new account should be created in the system.
* Provide feedback to the user upon successful registration

**Feature 4: Wiki Translate**

**Rationale:** This feature is needed because we want users who speak any language to be able to view the page in their language of choice.

**Epic:** As a user, I want to view the page in my language of choice.

* As a user, I want to click a dropdown button that displays a list of languages.
* When I click the language, I want to see the page update to my preferred language.
* As a user, I would like the language change to persist even after refresh and during page navigation.

**Feature 5: AutoSave/Confirm Exit Feature**

**Rationale:** This feature is needed because we don't want page creation progress to be lost on the occasion that the user accidentally closes the create page. Moreover, we want to implement an auto-save feature when the user is editing the page content so that a user can perform quick edits and close the page without having to worry if the content is saved or not.

**Epic:** As a user, I want to be prompted Are you sure you want to leave the page?' when I accidentally close the create page.

* As a user, I want to click ‘yes’ to stay on the page.
* As a user, I want to click ‘no’ to close the page.

**Epic:** As a user, I want an auto-save feature when editing content.

* As a user, I want my edits to be saved automatically whenever I make changes to content.
* As a user, I want to see a message that says saved when content has been saved so that I can exit safely without losing my content.

**Feature 6: Image Upload/Download**

**Rationale:** The feature is needed so that users can make their pages more informative with the ability to add pictures. Moreover, they can also download a picture if they want.

**Epic:** As a user, I want to be able to upload and download images so that I can add visual information to my wiki pages.

* As a user, I should be able to upload images directly from my local device.
* As a user, I should be able to download images directly to my local device.
* As a user, I want to see Add image prompt if the page does not have any image in Edit mode.
* As a user, I want to see Update image prompt if the page does not

have any image in Edit mode.