**1. Introduction**

This document specifies the functional requirements for the **Account Registration Screen** of the application. It outlines the required fields, business rules, validation criteria, and error messages to ensure a secure and structured user registration process.

**2. Functional Requirements**

**2.1 Account Registration Screen**

**2.1.1 Fields:**

The registration screen consists of the following fields:

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Description** | **Business Rule** | **Error Message** |
| **User Name** | Unique identifier for the user | Must be 5-20 alphanumeric characters, no special symbols allowed. Cannot contain spaces. Must be unique. | "Username must be 5-20 alphanumeric characters without spaces or special symbols." |
| **Full Name** | User’s real name | Must contain only letters and spaces, with a minimum of 2 words. Cannot contain numbers or special symbols. | "Full Name must contain only letters and spaces, with at least two words." |
| **Email** | User’s email address | Must be a valid email format (e.g., user@example.com) and unique in the system. | "Invalid email format or email already in use." |
| **Workplace** | The organization or company the user is affiliated with | Optional field, must be between 2-50 characters if provided. | "Workplace name must be between 2-50 characters." |
| **Degree** | The user’s highest academic qualification | Selection from predefined options (High School, Bachelor’s, Master’s, PhD). Cannot be left blank. | "Please select a degree from the available options." |

**2.1.2 Business Rules and Validation Messages:**

* **Username Uniqueness**: The system must check that the username is not already taken.
  + **Error Message:** "This username is already taken. Please choose another."
* **Username Constraints**: The username cannot contain spaces or special symbols.
  + **Error Message:** "Username must be alphanumeric and cannot contain spaces or special characters."
* **Full Name Validation**: The full name must contain at least two words and should not include numbers or special characters.
  + **Error Message:** "Full Name must include at least two words and cannot contain numbers or special characters."
* **Degree Selection**: The user must select a valid academic qualification from predefined options.
  + **Error Message:** "Please select a degree before proceeding."
* **Email Verification**: Users must verify their email via a confirmation link before activating their account.
  + **Error Message:** "A verification email has been sent. Please check your inbox."
* **Field Validation**: All fields except **Workplace** are required.
  + **Error Message:** "This field is required. Please fill in all mandatory fields."
* **Duplicate Accounts**: A user cannot register multiple accounts with the same email.
  + **Error Message:** "An account with this email already exists. Please log in or reset your password."