**JoinFDHS WEB Application**

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| **Sl. No.** | **Version** | **Date** | **Created By** | **Reviewed By** |
| 1. | V.01 | October 28, 2024 | Mr. Harsha K N |  |
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# INTRODUCTION

This document provides details on the **JoinFDHS** web application requirements, development plan and timeline/resources estimation.

Types of users logging in to web application:

* Student
* Super Admin
* Admin
* Mentor

The JoinFDHS web application provides portal for students/mentors to register with the FDHS platform by filling and submitting a registration form.

Student/mentor are notified with login credentials once Admin/Super admin review and approve their registration form. Super admins can also manage admins along with students and mentors.

Admins can manage registered mentors and students by adding/editing/deleting their profiles.

Mentors can view registered students after login

Users can update their own profiles, reset their password after login.

# DETAILED REQUIREMENTS & WORKFLOW

**2.1 Student Registration and Login Process**

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| **#** | **Workflow** | **Steps** |
| 1 | **Student Registration Process** | Step 1: The student visits the registration page.  Step 2: The student fills in the required fields:  - Name  - Email  - Contact Number  - State of Residency  - Roll Number  - College or Institution  Step 3: The student submits the registration form.  Step 4: The system automatically generates login credentials:  - Username: A unique identifier for the student .  - Password: A secure password generated by the system.  Step 5: The credentials (username and password) are sent to the student via email from the Admin system.  **Step 5.1:** An email is sent to the Salesforce team containing all the data submitted by the student. |
| 2 | **Student Login Process** | Step 6: The student checks their email for the username and password.  Step 7: The student uses these credentials to log into the system on the login page. |
| 3 | **After Login - Home Page Options** | Step 8: After successful login, the student is directed to the home page, where they can explore various options available for courses, profile settings, etc. |
| 4 | **Settings Options** | Step 9: In the home page, the student can access the settings page, which provides two options:  1. Update Profile: The student can modify their profile information.  2. Reset Password: The student can reset their password if necessary. |

**2.2 Mentor Registration and Login Process**

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| **#** | **Workflow** | **Steps** |
| 1 | **Mentor Registration Process** | Step 1: The mentor visits the registration page.  Step 2: The mentor fills in the following required fields:  - Name  - Email  - Contact Number  - State of Residency  - MBBS Number  - College or Institution  - Specialization  Step 3: The mentor submits the registration form.  Step 4: The mentor's application is put on hold, and a notification is sent to the admin for approval.  Step 5: Admin reviews the application:  - If approved, login credentials (username and password) are sent to the mentor's email.  - If rejected, the mentor is notified of the rejection. |
| 2 | **Mentor Login Process** | Step 6: The mentor receives login credentials via email upon admin approval:  - Username: A unique identifier for the mentor.  - Password: A secure password generated by the system.  Step 7: The mentor logs into the system using the username and password.  Step 8: After entering the username and password, the mentor is required to enter an OTP (One-Time Password) sent to their email.   * The mentor submits the username and password, and the OTP is sent to their registered email. * After verifying the OTP, they can successfully log in to the system. |
| 3 | **Post-Login - Mentor Dashboard** | Page 1: The mentor is directed to a page where they can view the list of registered students.  Page 2: The mentor can access a settings page with the following options:  1. Update Profile: Allows the mentor to update their profile information.  2. Reset Password: Allows the mentor to reset their password. |

**2.3. Admin Profile Creation and Login Process**

* When a super admin adds a new admin to the application, the admin receives the username and password via email.
* The admin logs into the system using the credentials sent to their email.

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| **#** | **Workflow** | **Steps** |
| 1 | **Admin Login Process** | Step 1: The admin logs into the system using the credentials sent to their email.  Step 2: After entering the username and password, the admin is required to enter an OTP (One-Time Password) sent to their email.   * The admin submits the username and password, and the OTP is sent to their registered email. * After verifying the OTP, they can successfully log in to the system.   Step 3: Post-Login - Admin Dashboard:  Page 1: Mentor Approval Management  Step 4: The admin can view a list of mentors awaiting approval.  Step 5: The admin has the following options for each mentor:  - Approve the mentor's profile.  - Reject the mentor's profile.  - Hold the mentor's profile for further review.  Page 2: Registered Users Management  Step 6: The admin can view a list of registered students and mentors.  Step 7: The admin has the following management options:  - Edit mentor profiles.  - Delete student or mentor profiles.  - Add new user profiles (students or mentors).  Page 3.3: Admin Settings  Step 8: The admin can access the settings page with two options:  1. Update Profile: Allows the admin to update their profile information.  2. Reset Password: Allows the admin to reset their password. |

**2.4. Super Admin Profile Creation and Login Process**

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| **#** | **Workflow** | **Steps** |
| 1 | **Super Admin Login Process** | After entering the username and password, the Super admin is required to enter an OTP (One-Time Password) sent to their email.   * The Super admin submits the username and password, and the OTP is sent to their registered email. * After verifying the OTP, they can successfully log in to the system.   Step 1: The Super admin logs into the system using the credentials. |
| 2 | **Post-Login – Super Admin Dashboard** | Page 1: Mentor Approval Management  Step 2: The Super admin can view a list of mentors awaiting approval.  Step 3: The Super admin has the following options for each mentor:  - Approve the mentor's profile.  - Reject the mentor's profile.  - Hold the mentor's profile for further review.  Page 2: Registered Users Management  Step 4: The Super admin can view a list of registered students, mentors and admin.  Step 5: The Super admin has the following management options:  - Edit mentor or admin profiles.  - Delete student or mentor or admin profiles.  - Add new user profiles (students or mentors or admin).  After adding new users, they will receive their credentials via email. Using that email, they can log in to the application.  Page 3: Super Admin Settings  Step 6: The Super admin can access the settings page with two options:  1. Update Profile: Allows the super admin to update their profile information.  2. Reset Password: Allows the super admin to reset their password. |

**Note:**

1. Once a username is created and assigned to a user, it cannot be changed; it is fixed.
2. A unique ID as a username is assigned only to students and mentors and admin and super admin have username as email.
3. Only mentors need to be approved by the admin or super admin.
4. Admins, mentors, and the super admin must authenticate their login by entering an OTP sent to their registered email.
5. The super admin has full access to maintain the entire application.

# FIGMA DESIGN

<https://www.figma.com/design/nURoIvfryKQsddFvLNAn5X/LMS?node-id=183-323&node-type=canvas>

# TECHNOLOGIES

**Front end: Next.js**

**Back end: Node.js (REST), NoSQL database**

**Cloud: Firebase – User management, Google functions for APIs & database**

**Note:**

1. Due to limited time in this phase of development, our main focus will be screen design for Desktops. Mobile friendly screens will be taken up in the next phase
2. Cloud charges will be additional depending on the number of active users and amount of resources/services the application utilize.

# TIMELINE & RESOURCES

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| **#** | **Activity** | **Working Days** | |
| 1 | Setup (Dev environment, Cloud) | 2 | |
| 2 | Home page, users login (student, admin, super admin, mentor) | 3 | |
| 3 | Student registration, notifications (credentials) | 2 | |
| 4 | User management by Admins and Super admins (add, edit, delete student/mentor profiles) | 2 | |
| 5 | User password management | 1 | |
| 6 | Dashboard after login for all users | 5 | |
| 7 | Testing and bug fixing, hosting and setup for going live | 5 | |
|  | **Total** | **20** | |
| **#** | **Resource type** | **Count** |
| 1 | Front end (Shivaprasad, Aman Singh) | 2 |
| 2 | Back end (Harsha K N, Vinith) | 2 |
| 3 | Testing | 1 |
|  | **Total** | **5** |