

# FUNCTIONAL REQUIREMENTS DOCUMENT

## Key Components of an FRD

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- Scope of the System
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# **1. Introduction**

This document specifies the functional requirements of the CBIT Super App. It explains the system features, user interactions, and expected behavior of the application.

## **2. Purpose of the System**

The system aims to provide a single mobile platform that integrates notices, clubs, academic resources, alumni connection, and administrative communication for CBIT.

## **3. Scope of the System**

The system will include modules for notices, clubs, alumni directory, academic links, student profile, notifications, and an admin panel. The system will not replace the existing ERP or conduct financial transactions.

## **4. User Roles and User Types**

- Student: Access academic info, notices, clubs, alumni connect
- Faculty: Post notices, manage club activities
- Alumni: Register and provide professional details
- Admin: Manage users, content, and notifications

## **5. Functional Requirements (Module Wise)**

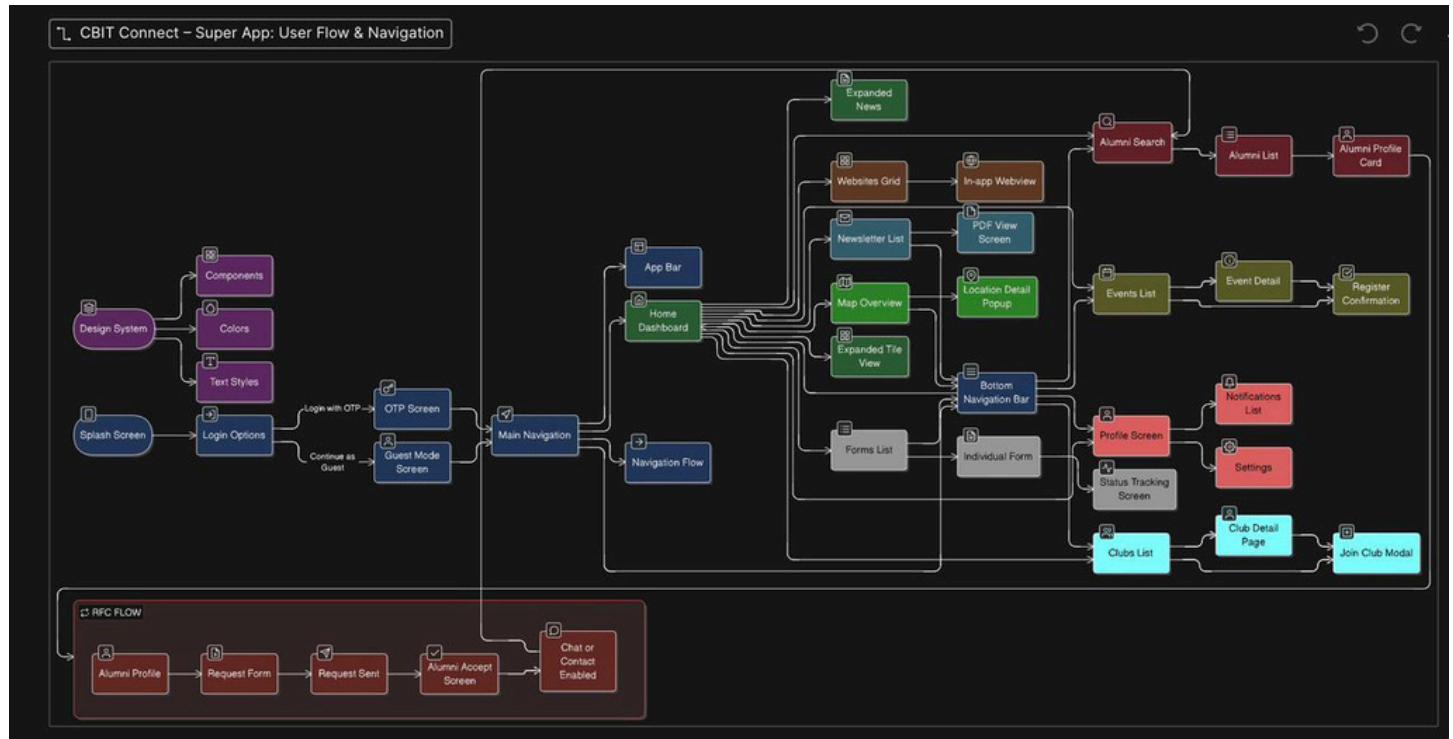
- Login using college credentials
- Dashboard with notices and events
- Notices posting and notification system
- Clubs listing and event updates
- Alumni directory with request feature
- Academic links section
- Student profile management
- Admin control panel

## 6. Process Flow / User Flow

Users log in to the app, access the dashboard, view notices or events, explore clubs, check academic resources, and connect with alumni. Admin manages all content through the admin panel.

Worflow UML Link:

<https://app.eraser.io/workspace/ekOH8YpUuXCATjUboQey?origin=share>



## **7. Data Requirements**

The system requires access to the following data:

- Student database
- Faculty database
- Alumni database
- Notices and events database

The application will retrieve and synchronize required data by integrating with the existing college website database and academic portals, subject to access permissions provided by the IT department.

## **8. Integration Requirements**

The application shall integrate with the existing college website database and academic portals through APIs or secure database access provided by the college IT team.

This integration will enable real time access to notices, academic information, and other relevant data without duplicating records in the mobile application database.

## **11. Assumptions and Dependencies**

- Students and faculty have smartphones with internet access
- Support from the college IT department is available
- Access to student, faculty, and alumni data will be provided
- Successful implementation depends on API or database level integration with the college website and portals

## **12. Constraints**

Budget limitations, data privacy concerns, and dependency on permissions from college authorities.

## **13. Future Enhancements**

Placement tracking, fee payment, chat system, and ERP integration.

## **14. Approval and Sign Off**

Project guide, IT head, and college management approval

## 15. Figma UI Wireframes

The user interface of the CBIT Super App will be initially designed as low fidelity and high fidelity wireframes using Figma before development begins. These wireframes will visually represent the layout, navigation flow, and placement of features for all modules of the application.

The wireframes will cover the following screens:

- Login and Registration screen
- Home Dashboard screen
- Notices and Announcements screen
- Clubs and Events screen
- Alumni Directory and Request screen
- Academic Resources screen
- Student Profile screen
- Notifications screen
- Admin Panel screens

<https://www.figma.com/design/fCkUdRvbpVX7YNwsN3POIU/Cbit-APP?node-id=5-38&t=z20tSD9kiES4oA14-1>