

# Functional Design Specification (FDS)

Project Title: Sample Software Application

Client: ABC Corporation

Prepared by: XYZ Solutions

Date: July 17, 2025

## 1. Introduction

This document outlines the functional design specifications for the Sample Software Application. It defines the functional requirements and system behavior agreed upon by both parties.

## 2. Objectives

The objective of this project is to develop a web-based platform that allows users to register, authenticate, and manage their profiles, while administrators manage content and user privileges.

## 3. Functional Requirements

- User Registration and Login
- Password Reset via Email
- Profile Management
- Admin Dashboard
- Content Management Module
- Reporting and Analytics

## 4. System Architecture

The system will follow a client-server model using React for the frontend and Django for the backend. Data will be stored in a PostgreSQL database and hosted on AWS.

## 5. Interface Specifications

- RESTful API for frontend-backend communication
- JSON format for data exchange
- Responsive UI design

## **6. Acceptance Criteria**

- All functionalities must pass user acceptance testing
- System must support at least 500 concurrent users
- Uptime of 99.5% over a month

## **7. Sign-Off**

Client Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Developer Signature: \_\_\_\_\_

Date: \_\_\_\_\_