

# Functional Requirements Document: Management Information System (MIS)

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## 1.0 Introduction

### 1.1 Purpose

This document specifies the functional requirements for the Management Information System(MIS). It details the features, user interactions, and system behaviors necessary to meet the business needs outlined in the *Business Requirements Document: Management Information System(MIS), Version 3.1*. This FRD will serve as the primary guide for the development and testing teams to ensure the final product aligns with stakeholder expectations.

### 1.2 Scope

The scope of this document covers the functional requirements for the core modules of the MIS platform, organized by user role. It details all system interactions available to Athletes, Coaches, and Administrators. Features listed as out-of-scope in the BRD, such as live video streaming, Integration with wearable IoT devices or sensors are not covered here.

## 2.0 Overall Description

### 2.1 Product Vision

The vision is to create a unified digital ecosystem that transforms how Wushu athletes in India are identified, developed, and supported throughout their sporting journey. The MIS will be a centralized, real-time web platform connecting athletes, coaches, and administrators.

### 2.2 User Roles & Characteristics

The system will support the following user roles:

- **Athlete:** The primary end-user who needs a central hub to manage their profile, view performance graphs, track progress, and register for championships.
- **Coach:** A user who manages their assigned athletes and is responsible for logging their daily training and performance data.
- **Administrator:** A user who oversees the entire system, including all training centers and user accounts.

### 3.0 Functional Requirements

This section details the specific functions the MIS system must perform, organized by user role and updated to reflect all decisions.

#### 3.1 General Functional Requirements

Req. ID	Requirement Name	Requirement Description
FR-GEN-001	User Registration	Users register with a mandatory phone number and optional email. They set a password after phone OTP verification.
FR-GEN-002	Login & Recovery	After 3 failed login attempts, users must reset their password via an OTP sent to their registered phone or email.
FR-GEN-003	Profile Management	All users can view and edit their own profile information.
FR-GEN-004	Secure Contact Update	Users must verify changes to their phone or email with an OTP sent to their old contact method.

#### 3.2 Athlete Functional Requirements

Req. ID	Requirement Name	Requirement Description
FR-ATH-001	Profile Completion	Athletes must complete their profile (personal, physical, achievements), tracked by a completion percentage, before selecting a training center.
FR-ATH-002	Center Registration	Athletes select a training

		center from a list. Registration is finalized only after successful payment.
<b>FR-ATH-003</b>	View Dashboard	Athletes have a dashboard showing performance summaries and upcoming events.
<b>FR-ATH-004</b>	View Performance	Athletes can view their own performance data and progress charts, which are read-only.
<b>FR-ATH-005</b>	Browse Championships	Athletes can browse and filter a list of upcoming championships.
<b>FR-ATH-006</b>	Register for Championship	Athletes can register for championships they are eligible for. The option is disabled if they are ineligible.
<b>FR-ATH-007</b>	Athlete Payment Management	The system must allow an athlete to complete admission payments and view a full history of their transactions and outstanding fees.

### 3.3 Coach Functional Requirements

Req. ID	Requirement Name	Requirement Description
<b>FR-COA-001</b>	Coach Onboarding	On first login, coaches must select their Training Center and sport discipline (Taolu/Sanda).
<b>FR-COA-002</b>	View Athlete Roster	Coaches can view a list of

		all athletes registered under them.
<b>FR-COA-003</b>	Log Training Data	Coaches can log daily attendance and performance data for their assigned athletes only.

### 3.4 Training Center Admin Functional Requirements

Req. ID	Requirement Name	Requirement Description
<b>FR-TCA-001</b>	View Center Dashboard	The admin dashboard displays center statistics, including total coach and athlete counts.
<b>FR-TCA-002</b>	Manage Coaches	Admins can view a list of all coaches associated with their center.
<b>FR-TCA-003</b>	View Athletes	Admins can view a complete roster of all athletes
<b>FR-TCA-004</b>	Confirm and Track Payments	The system must allow the Training Center Admin to view and confirm payments received from athletes for admissions and other services.

### 4.0 Glossary

Term	Definition
<b>MIS</b>	Management Information System, the official name of this project.

<b>BRD</b>	Business Requirements Document. The source document for this FRD.
<b>FRD</b>	Functional Requirements Document.
<b>User Roles</b>	Categories of users (Athlete, Coach, Administrator) with different permissions and system views.