Application

KAF Agency Portal

Module

Security & User Management

Business Process

Notification & Alert

Reporting

Administration

Document Type

System Design

Document Description

KAF Agency Portal Documentation.

Prepared by

Information Technology Department

KAF Investment Bank Berhad

[Application 1](#_Toc9588645)

[KAF Agency Portal 1](#_Toc9588646)

[Module 1](#_Toc9588647)

[Document Type 1](#_Toc9588648)

[Prepared by 1](#_Toc9588649)

[Information Technology Department 1](#_Toc9588650)

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# SYSTEM DESIGN

## 1.0 Introduction

KAF Agency Portal System aims to provide a secure online agency platform for agents and investors to gain access to the investment asset details online. This portal system mainly allows the KIF agents and investors to view and download the latest Unit Trust Funds statements in a secure portal.

Agency Portal will provide the global platform for KAF agents and both local and international investors, where the agents will have access to their corresponding list of clients and its details and the investors will have access to their statements of funds.

### 1.1 Goal and Objective

The main goal for this project is to develop a secure online agency portal that has specific features to display account holding details, user profile, interactive dashboard, interactive and informative data charts and fund statements.

### 1.2 System Statement of Scope

KAF Agency System is a web-based application that is designed and developed by KAF IT department as a product for internal (Back Office users) and external (Agents & Investors) clients.

It is used by both agents and investors to view Unit Trust Funds details and download the latest statements. The application allows social media-based login for user authentication.

### 1.3 Database Design

Following are database table for KAF Agency Portal.

#### 1.3.1 Data Description

* Identity Type

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | smallint(6) | Id |
| Id\_Type | varchar(50) | Identity Type |

* State

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | smallint(6) | Id |
| MFStateCode | varchar(3) | State Code |
| Name | varchar(256) | Name |

* Country

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | smallint(6) | Id |
| ISOCountryCode | varchar(2) | ISO Country Code |
| Name | varchar(256) | Name |

* CIF (Customer Information File)

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | smallint(6) | Id |
| Active | tinyint(4) | Active |
| CIF\_No | varchar(17) | CIF Number |
| Name | varchar(256) | Name |
| Id\_Type | smallint(6) | Identity Type |
| Id\_New\_No | varchar(12) | New Identity Number |
| Id\_Old\_No | varchar(20) | Old Identity Number |
| Email | varchar(256) | Email |
| Tel\_No | varchar(15) | Telephone Number |
| EPF\_No | varchar(15) | EPF Number |
| EPF\_Eff\_Date | datetime | EPF Effective Date |
| EPF\_Ac\_Type | varchar(1) | EPF Account Type |
| Add\_1 | varchar(100) | Address 1 |
| Add\_2 | varchar(100) | Address 2 |
| Add\_3 | varchar(100) | Address 3 |
| State | smallint(6) | State |
| Postcode | varchar(10) | Postcode |
| Country | smallint(6) | Country |

* Investor

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | int(11) | Id |
| Active | tinyint(4) | Active |
| Investor\_Id | varchar(12) | Investor Id |
| CIF\_No\_Fapp | varchar(17) | CIF Number of First Applicant |
| CIF\_No\_Sapp | varchar(17) | CIF Number of Second Applicant |

* Agent

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | smallint(6) | Id |
| Active | tinyint(4) | Active |
| Agent\_Id | varchar(15) | Agent Id |
| Name | varchar(256) | Name |
| Id\_Type | smallint(6) | Identity Type |
| Id\_New\_No | varchar(12) | New Identity Number |
| Id\_Old\_No | varchar(20) | Old Identity Number |
| Email | varchar(256) | Email |
| Tel\_No | varchar(15) | Telephone Number |

* Ledger

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | int(11) | Id |
| Investor\_Id | varchar(12) | Investor Id |
| Scheme | varchar(18) | Scheme |
| Plan | varchar(6) | Plan |
| Proc\_Date | datetime | Processing Date |
| Tran\_Date | datetime | Transaction Date |
| InvLedger\_Ref | varchar(17) | Investment Ledger Reference |
| Reference\_Id | varchar(17) | Reference Identity |
| Tran\_Type | varchar(6) | Transaction Type |
| Gross\_Amount | decimal(15,2) | Gross Amount |
| Total\_Charges | decimal(15,2) | Total Charges |
| Amount\_Invested | decimal(15,2) | Amount Invested |
| Sales\_Charges | decimal(15,2) | Sales Charges |
| GST\_Percent | decimal(15,2) | GST Precent |
| GST\_Charges | decimal(15,2) | GST Charges |
| Unit\_Price | decimal(15,4) | Unit Price |
| Units | decimal(15,4) | Units |
| Dividend | decimal(15,2) | Dividend |

* Agent & Investor

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Description** |
| Id | int(7) | Id |
| Agent\_Id | varchar(15) | Agent Identity |
| Investor\_Id | varchar(12) | Investor Identity |

#### 1.3.2 Data Relationships



