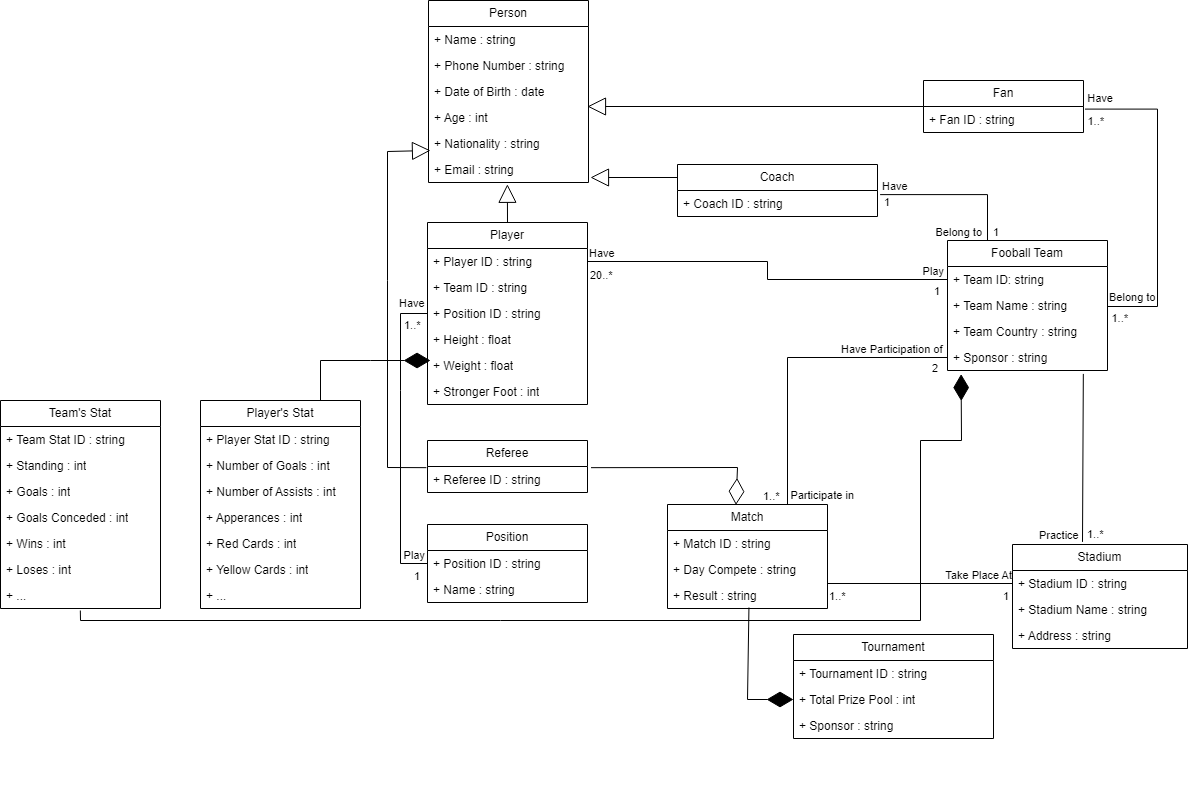
# **National Football League Management**

## **Class diagram**



## **Sequence diagram**

* + 1. **Tạo tài khoản**

Calendar

Description automatically generated

* + 1. **Đăng nhập**

Chart, box and whisker chart

Description automatically generated with medium confidence

* + 1. **Đăng ký hồ sơ**

Calendar

Description automatically generated

* + 1. **Lập lịch thi đấu**

Calendar

Description automatically generated

* + 1. **Ghi nhận kết quả trận đấu**

A screenshot of a computer

Description automatically generated with low confidence

* + 1. **Tra cứu cầu thủ**

Calendar

Description automatically generated

* + 1. **Lập báo cáo giải**

A picture containing chart

Description automatically generated

* + 1. **Thay đổi hoặc thêm mới qui định**

Diagram, table

Description automatically generated

## **Screen**

### Create Account Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Sign-in Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Homepage Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Matches Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Teams Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Players Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Managers Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### League Info Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Regulations Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Reports Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Awards Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### League Standings Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |

### Stats & Records Screen

* + - 1. Main flow

|  |  |
| --- | --- |
| **Screen** | Create Account |
| **Description** | Create account |
| **Screen Access** | Users click on sign up button |

* + - 1. User Interface
      2. Validation Rule/Data mapping

|  |  |  |
| --- | --- | --- |
| **Field** | **Type** | **Description** |
| Username | Label | * Username |
| Password | Label | * Password |
| Email | Label | * Email |
| Phone Number | Link | * Airline code   Only display as link if user is Administrator or Normal User   * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_CODE |
| Airline Name | Label | * Name of Airline * Mapping to field in DB: AIRLINE\_INFO. AIRLINE\_NAME |
| Wholesaler PCC | Label | * An agent of Customer * Mapping to field in DB: AIRLINE\_INFO. WHOLESALER\_PCC |
| Contact Number | Label | * Contact number of airline * Mapping to field in DB: AIRLINE\_INFO. CONTACT\_NBR |
| Email | Label | * Email * Mapping to field in DB: AIRLINE\_INFO. EMAIL |
| Add | Button | * Add button   Only display if user is Administrator or Normal User   * Go to the add screen |