**4.3.4.2.4 Data Dictionary**

**(A) External Entities**

|  |  |
| --- | --- |
| **Entity Name: Player** | **Entity Ref. No.: E1** |
| **Description:**  **A person who interacts with the system to register, log in, upload performance videos, and view reports.** | |
| **Inputs** | **Outputs** |
| 1-Registration Confirmation  2- Login Status  3-Performance Report | 1-Registration info  2-Login Credentials  3-Player video |

Table 4.1: Specification for Entity (E1)

|  |  |
| --- | --- |
| **Entity Name: Coach** | **Entity Ref. No.: E2** |
| **Description:**  A coach who registers, logs in, and accesses reports to evaluate player performances. | |
| **Inputs** | **Outputs** |
| |  | | --- | | 1-Coach Registration Confirmation  2-Coach Login Status  3- Talents Reports |  |  |  | | --- | --- | |  |  | | |  |  | | --- | --- | | 1-Coach Registration info |  |   2-Coach Login Credentials  3-Cheking Talents |

Table 4.2: Specification for Entity (E2)

**(B) Processes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name: Save Credentials** | | **Process Ref. No.: P1** | |
| **Description:**  Stores the registration information of the player in the database and confirms registration status. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1-Registration info  2- Registration Status | Store data in Users data store | | 1-Registration Request  2-Registration Confirmation |

Table 4.1: Specification for Process (P1)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Check Credentials | | **Process Ref. No.: P2** | |
| **Description:**  Validates the login credentials of the player or coach and returns the login status. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1.Login Credentials  2.Login Confirmation | Verify credentials from Users data store | | 1. Login Status  2.Login Info |

Table 4.2: Specification for Process (P2)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Save Coach Credentials | | **Process Ref. No.: P3** | |
| **Description:**  Stores the registration information of the coach in the database and confirms registration status. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1. Coach Registration info  2.Coach Registration Status | Store data in Users data store | | 1. Coach Registration Confirmation  2. Coach Registration Request |

Table 4.3: Specification for Process (P3)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Check Coach Credentials | | **Process Ref. No.: P4** | |
| **Description:**  Validates the login credentials of the coach and returns the login status. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1. Coach Login Credentials  2.Coach Login Confirmation | Verify credentials from Users data store | | 1. Coach Login Status  2.Coach Login Info |

Table 4.4: Specification for Process (P4)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Get Player Video | | **Process Ref. No.: P5** | |
| **Description:**  Retrieves the video uploaded by the player for analysis. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1. Player video | Retrieve and prepare video for processing | | 1. Processed Data |

Table 4.5: Specification for Process (P5)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Generate Report | | **Process Ref. No.: P6** | |
| **Description:**  Processes the player video to generate a performance report. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1. Processed Data | Analyze video data and create report | | 1. Report Results |

Table 4.6: Specification for Process (P6)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Show Performance | | **Process Ref. No.: P7** | |
| **Description:**  Displays the player's performance based on the processed data. | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1. Performance Result | Retrieve performance data | | 1. Performance Report |

Table 4.7: Specification for Process (P7)

|  |  |  |  |
| --- | --- | --- | --- |
| **Process Name:** Show Report | | **Process Ref. No.: P8** | |
| **Description:**  Displays the generated report to the user (player or coach). | | | |
| **Inputs** | **Logic Summary** | | **Outputs** |
| 1. Player Results 2. Checking Talents | Retrieve report data | | 1. Report Request 2. Talents Report |

Table 4.8: Specification for Process (P8)

**(C) Data Stores**

|  |  |
| --- | --- |
| **Data Store Name:** **Users** | **Data Store Ref. No.: D1** |
| **Description:**  Stores registration and login credentials for both players and coaches. | |
| **Data Flows IN** | **Data Flows OUT** |
| 1. Player Registration Request 2. Player Login info 3. Coach Registration Request 4. Coach Login info | 1**.** PlayerRegistration Status  2. Player Login Confirmation  3**.** CoachRegistration Status  4. Coach Login Confirmation |

Table 4.1: Specification for Data Store (D1)

|  |  |
| --- | --- |
| **Data Store Name:** **Reports** | **Data Store Ref. No.: D2** |
| **Description:**  Stores generated performance reports of players. | |
| **Data Flows IN** | **Data Flows OUT** |
| 1. Report Results 2. Report Request | 1. Players Request  2.Performance Result |

Table 4.2: Specification for Data Store (D2)

**(D) Data Flows**

|  |  |
| --- | --- |
| **Data Flow Name:** Registration Info | **Data Flow Ref. No.: F1** |
| **Description:**  Information required for player registration. | |
| **Source** | **Destination** |
| **Player** | **Save Credentials** |

Table 4.1: Specification for Data Flow (F1)

|  |  |
| --- | --- |
| **Data Flow Name:** Registration Request | **Data Flow Ref. No.: F2** |
| **Description:**  Request to register a new user in the system. | |
| **Source** | **Destination** |
| **Save Credentials** | **Users** |

Table 4.2: Specification for Data Flow (F2)

|  |  |
| --- | --- |
| **Data Flow Name:** Registration Status | **Data Flow Ref. No.: F3** |
| **Description:**  Confirmation or rejection of registration request | |
| **Source** | **Destination** |
| **Users** | **Save Credentials** |

Table 4.3: Specification for Data Flow (F3)

|  |  |
| --- | --- |
| **Data Flow Name:** Registration Confirmation | **Data Flow Ref. No.: F4** |
| **Description:**  Notification to player about registration status. | |
| **Source** | **Destination** |
| **Save Credentials** | **Player** |

Table 4.4: Specification for Data Flow (F4)

|  |  |
| --- | --- |
| **Data Flow Name: Login Credentials** | **Data Flow Ref. No.: F5** |
| **Description:**  Credentials submitted by player for login. | |
| **Source** | **Destination** |
| **Player** | **Check Credentials** |

Table 4.5: Specification for Data Flow (F5)

|  |  |
| --- | --- |
| **Data Flow Name: Login Info** | **Data Flow Ref. No.: F6** |
| **Description:**  Information to validate login credentials. | |
| **Source** | **Destination** |
| **Check Credentials** | **Users** |

Table 4.6: Specification for Data Flow (F6)

|  |  |
| --- | --- |
| **Data Flow Name: Login Confirmation** | **Data Flow Ref. No.: F7** |
| **Description:**  Confirmation of login status.. | |
| **Source** | **Destination** |
| **Users** | **Check Credentials** |

Table 4.7: Specification for Data Flow (F7)

|  |  |
| --- | --- |
| **Data Flow Name: Login Status** | **Data Flow Ref. No.: F8** |
| **Description:**  Notification to player about login success or failure. | |
| **Source** | **Destination** |
| **Check Credentials** | **Player** |

Table 4.8: Specification for Data Flow (F8)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Registration Info** | **Data Flow Ref. No.: F9** |
| **Description:**  Information required for coach registration. | |
| **Source** | **Destination** |
| **Coach** | **Save Coach Credentials** |

Table 4.9: Specification for Data Flow (F9)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Registration Request** | **Data Flow Ref. No.: F10** |
| **Description:**  Request to register a new coach in the system. | |
| **Source** | **Destination** |
| **Save Coach Credentials** | **Users** |

Table 4.10: Specification for Data Flow (F10)

|  |  |
| --- | --- |
| **Data Flow Name:** **Coach Registration Status** | **Data Flow Ref. No.: F11** |
| **Description:**  Confirmation or rejection of coach registration request. | |
| **Source** | **Destination** |
| **Users** | **Save Coach Credentials** |

Table 4.11: Specification for Data Flow (F11)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Registration Confirmation** | **Data Flow Ref. No.: F12** |
| **Description:**  Notification to coach about registration status. | |
| **Source** | **Destination** |
| **Save Coach Credentials** | **Coach** |

Table 4.12: Specification for Data Flow (F12)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Login Credentials** | **Data Flow Ref. No.: F13** |
| **Description:**  Credentials submitted by coach for login. | |
| **Source** | **Destination** |
| **Coach** | **Check Coach Credentials** |

Table 4.13: Specification for Data Flow (F13)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Login Info** | **Data Flow Ref. No.: F14** |
| **Description:**  Information to validate coach login credentials. | |
| **Source** | **Destination** |
| **Check Coach Credentials** | **Users** |

Table 4.14: Specification for Data Flow (F14)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Login Confirmation** | **Data Flow Ref. No.: F15** |
| **Description:**  Confirmation of coach login status. | |
| **Source** | **Destination** |
| **Users** | **Check Coach Credentials** |

Table 4.15: Specification for Data Flow (F15)

|  |  |
| --- | --- |
| **Data Flow Name: Coach Login Status** | **Data Flow Ref. No.: F16** |
| **Description:**  Notification to coach about login success or failure. | |
| **Source** | **Destination** |
| **Check Coach Credentials** | **Coach** |

Table 4.16: Specification for Data Flow (F16)

|  |  |
| --- | --- |
| **Data Flow Name: Player Video** | **Data Flow Ref. No.: F17** |
| **Description:**  Video submitted by player for performance analysis.. | |
| **Source** | **Destination** |
| **Player** | **Get Player Video** |

Table 4.17: Specification for Data Flow (F17)

|  |  |
| --- | --- |
| **Data Flow Name: Processed Data** | **Data Flow Ref. No.: F18** |
| **Description:**  Data processed from player video. | |
| **Source** | **Destination** |
| **Get Player Video** | **Generate Report** |

Table 4.18: Specification for Data Flow (F18)

|  |  |
| --- | --- |
| **Data Flow Name: Report Results** | **Data Flow Ref. No.: F19** |
| **Description:**  Results from performance analysis. | |
| **Source** | **Destination** |
| **Generate Report** | **Reports** |

Table 4.19: Specification for Data Flow (F19)

|  |  |
| --- | --- |
| **Data Flow Name: Performance Result** | **Data Flow Ref. No.: F20** |
| **Description:**  Performance analysis result for player. | |
| **Source** | **Destination** |
| **Reports** | **Show Performance** |

Table 4.20: Specification for Data Flow (F20)

|  |  |
| --- | --- |
| **Data Flow Name: Performance Report** | **Data Flow Ref. No.: F21** |
| **Description:**  Report on player’s performance. | |
| **Source** | **Destination** |
| **Show Performance** | **Player** |

Table 4.21: Specification for Data Flow (F21)

|  |  |
| --- | --- |
| **Data Flow Name: Reports Request** | **Data Flow Ref. No.: F22** |
| **Description:**  Request for player performance reports. | |
| **Source** | **Destination** |
| **Coach** | **Reports** |

Table 4.22: Specification for Data Flow (F22)

|  |  |
| --- | --- |
| **Data Flow Name: Talents Reports** | **Data Flow Ref. No.: F23** |
| **Description:**  Reports on identified talents. | |
| **Source** | **Destination** |
| **Reports** | **Coach** |

Table 4.23: Specification for Data Flow (F23)

|  |  |
| --- | --- |
| **Data Flow Name: Checking Talents** | **Data Flow Ref. No.: F24** |
| **Description:**  Request to view talent reports. | |
| **Source** | **Destination** |
| **Coach** | **Show Report** |

Table 4.24: Specification for Data Flow (F24)

|  |  |
| --- | --- |
| **Data Flow Name: Report Results** | **Data Flow Ref. No.: F25** |
| **Description:**  Displayed results of talent reports. | |
| **Source** | **Destination** |
| **Show Report** | **Coach** |

Table 4.23: Specification for Data Flow (F23)