**Interface Control Document**

Group 2

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**Author Note:**

Revision: 1.1

Date: 04/15/2023

Class: CMSC 495

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Name of editor** | **Description** |
| 1.0.0 | 04/15/2023 | Graham Primm | Original Document |
| 1.0.1 | 04/16/2023 | Graham Primm | Added ICD Table for each set of communicating classes |
| 1.0.2 | 04/18/2023 | Kalala Kalamba | Populated Interface tables |
| 1.1.0 | 04/25/2023 | Graham Primm | Made corrections, added data flow direction |
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**Interface Control Document**

The Interface Control Document (ICD) is a document that lists all data and their types

that are passed among the subsystems or between a subsystem and an outside system.

The purpose of this document is to have the interfaces well defined so that sub-systems

can be coded in parallel by different software engineers.

Data between **User Subsystem** and **User Interface Subsystem**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| From | To | Name | Type | Value Range | Default Value |
| User Subsystem | User Interface | Username | String | Alphanumerical | Null |
| User Subsystem | User Interface | Password | String | Alphanumerical | Null |
| User Subsystem | User Interface | email | String | Alphanumerical | Null |
| User Subsystem | User Interface | DOB | Date | 01/1/1900-today | Null |
| User Subsystem | User Interface | Group\_Name | String | "A-Z" | Null |
| User Subsystem | User Interface | Event\_Type | String | "A-Z" | Null |
| User Subsystem | User Interface | Item\_Name | String | "A-Z" | Null |
| User Subsystem | User Interface | Special\_Date | Date | 01/1/1900-today | Null |
| User Subsystem | User Interface | First\_name | String | Alphanumerical | Null |
| User Subsystem | User Interface | Last\_name | String | Alphanumerical | Null |
| User Subsystem | User Interface | Gender | Char | M or F | Null |
| User Interface | User Subsystem | Username | String | Alphanumerical | Null |
| User Interface | User Subsystem | Password | String | Alphanumerical | Null |
| User Interface | User Subsystem | email | String | Alphanumerical | Null |
| User Interface | User Subsystem | DOB | Date | 01/1/1900-today | Null |
| User Interface | User Subsystem | Group\_Name | String | "A-Z" | Null |
| User Interface | User Subsystem | Event\_Type | String | "A-Z" | Null |
| User Interface | User Subsystem | Item\_Name | String | "A-Z" | Null |
| User Interface | User Subsystem | Special\_Date | Date | 01/1/1900-today | Null |
| User Interface | User Subsystem | First\_name | String | Alphanumerical | Null |
| User Interface | User Subsystem | Last\_name | String | Alphanumerical | Null |

Data between **User Subsystem** and **Administration Subsystem**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| From | To | Name | Type | Value Range | Default Value |
| User | Admin | Username | String | Alphanumerical | Null |
| User | Admin | Password | String | Alphanumerical | Null |
| User | Admin | email | String | Alphanumerical | Null |
| User | Admin | DOB | Date | 01/1/1900- today | Null |
| User | Admin | Group\_Name | String | “A-Z” | Null |
| User | Admin | Event\_Type | String | “A-Z” | Null |
| User | Admin | Item\_Name | String | “A-Z” | Null |
| User | Admin | Special\_Date | Date | 01/1/1900- today | Null |
| User | Admin | First\_name | String | Alphanumerical | Null |
| User | Admin | Last\_name | String | Alphanumerical | Null |
| User | Admin | Gender | Char | M or F | Null |
| Admin | User | Admin\_Role | Boolean | True or False | Null |
| Admin | User | Min\_price | Long | 0 - 9999 | 0 |

Data between **Administration Subsystem** and **Database Subsystem**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **To** | **Name** | **Type** | **Value Range** | **Default Value** |
| Admin | Database | Username | String | Alphanumerical | Null |
| Admin | Database | User\_ID | Int | 0 - 9999 | 1 |
| Admin | Database | Password | String | Alphanumerical | Null |
| Admin | Database | email | String | Alphanumerical | Null |
| Admin | Database | DOB | Date | 01/1/1900- today | Null |
| Admin | Database | Group\_Name | String | “A-Z” | Null |
| Admin | Database | Group\_ID | Int | 0 - 9999 | 1 |
| Admin | Database | Event\_Type | String | “A-Z” | Null |
| Admin | Database | Event\_Type\_ID | Int | 0 - 9999 | 1 |
| Admin | Database | Item\_Name | String | “A-Z” | Null |
| Admin | Database | Special\_Date | Date | 01/1/1900- today | Null |
| Admin | Database | First\_name | String | Alphanumerical | Null |
| Admin | Database | Last\_name | String | Alphanumerical | Null |
| Admin | Database | Gender | Char | M or F | Null |
| Admin | Database | Gender\_ID | Int | 0 - 9999 | 1 |
| Admin | Database | Min\_price | Long | 0 - 9999 | 0.00 |
| Database | Admin | Username | String | Alphanumerical | Null |
| Database | Admin | User\_ID | Int | 0 - 9999 | 1 |
| Database | Admin | Password | String | Alphanumerical | Null |
| Database | Admin | email | String | Alphanumerical | Null |
| Database | Admin | DOB | Date | 01/1/1900- today | Null |
| Database | Admin | Group\_Name | String | “A-Z” | Null |
| Database | Admin | Group\_ID | Int | 0 - 9999 | 1 |
| Database | Admin | Event\_Type | String | “A-Z” | Null |
| Database | Admin | Event\_Type\_ID | Int | 0 - 9999 | 1 |
| Database | Admin | Item\_Name | String | “A-Z” | Null |
| Database | Admin | Special\_Date | Date | 01/1/1900- today | Null |
| Database | Admin | First\_name | String | Alphanumerical | Null |
| Database | Admin | Last\_name | String | Alphanumerical | Null |
| Database | Admin | Gender | Char | M or F | Null |
| Database | Admin | Gender\_ID | Int | 0 - 9999 | 1 |
| Database | Admin | Min\_price | Long | 0 - 9999 | 0.00 |

Data between **User Subsystem** and **Gift Suggestion Subsystem**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **To** | **Name** | **Type** | **Value Range** | **Default Value** |
| User | Gift Suggestion | Item\_Name | String | “A-Z” | Null |
| User | Gift Suggestion | Gender | Char | M or F | Null |
| User | Gift Suggestion | Event\_Type | String | “A-Z” | Null |
| User | Gift Suggestion | Event\_Type\_ID | Int | 0 - 9999 | 1 |
| User | Gift Suggestion | DOB | Date | 01/1/1900- today | Null |
| User | Gift Suggestion | Min\_price | Long | 0 - 9999 | 0.00 |
| Gift Suggestion | User | Item\_Name | String | “A-Z” | Null |

Data between **User Subsystem** and **Email Notification Subsystem**:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **From** | **To** | **Name** | **Type** | **Value Range** | **Default Value** |
| User | Email Notification | First\_name | String | Alphanumerical | Null |
| User | Email Notification | Last\_name | String | Alphanumerical | Null |
| User | Email Notification | email | String | Alphanumerical | Null |
| User | Email Notification | Special\_Date | Date | 01/1/1900- today | Null |
| User | Email Notification | Reminder | Int | 0-60 | 14 |
| Email Notification | User | Receiver\_name | String | Alphanumerical | Null |
| Email Notification | User | Item\_Name | String | “A-Z” | Null |