Fusion Systems

A system to accelerate and enhance all work-related functions.

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1. Introducing to Fusion System

1.1. Who Should Use This Application

Burdick gym is a gym established to meet the fitness and health of over twenty-thousand students, faculty and their guests. It provides a multitude of departments for members to participate in and also allows use of a variety of equipment to be rented and used.

In order to meet the demands of the students and faculty of Towson University staff needs to be able to quickly determine between members of the gym and non members. Staff also needs to be able to check available equipment and rent it out to users of the gym.

Fusion Systems provides an interface that allows gyms to fully accomplish those goals and much more. While keeping a maintained history of interactions of gym users and the gym.

1.2. Who Should Use This Guide

This guide is designed for staff users who are not familiar with fusion systems software. This software will teach the basics of the systems such as logging in and adding equipment. The function will also show the difference views and features for different roles.

2. Key Features

2.1. Key Features for Staff Users

- Login to the system / Log out of the system

- Add Users to the System

- Insert/Delete Users in System

- Update Users status (Date of Birth, Phone#,...) to the System

- Keep track of Users Table

- Keep track of Equipment Rental/Checked-in Date

- Keep track of Guests

2.2. **Key Features for Supervisor Users**

- Login to the system / Log out of the system

- Provide information for Departments

- Keep track of Department Table

- Insert/Delete Staff in System

- Choose a Users to be a Staff

- Observe Work Hours, CPR certification, and Salary of Staffs who work in Supervisor's Department

- Keep track of Staffs' activities on the system

3. Staff Users - A Guided Tour

3.1. Log In

When The app is running, users will see a Login window (Figure 1), which requires users to enter a valid username and password to access the system. The username and password were stored in the database already and then given to each staff.
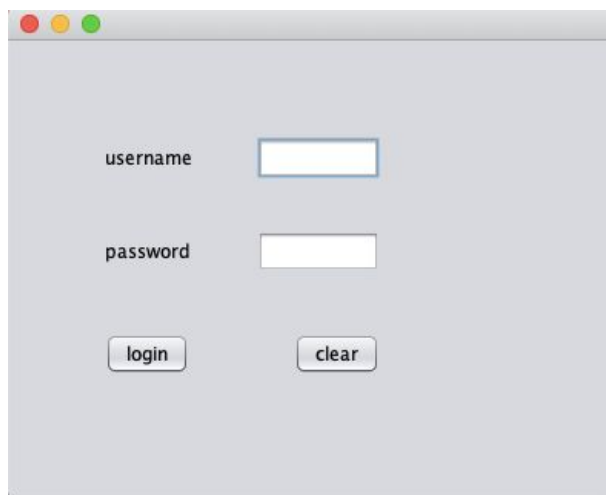
(Figure 1)

When users enter the correct username and password, the system will send a welcome message after the **"login"** button was clicked (Figure 2). In case users want to re-enter the login requirements, the "clear" button would help them.
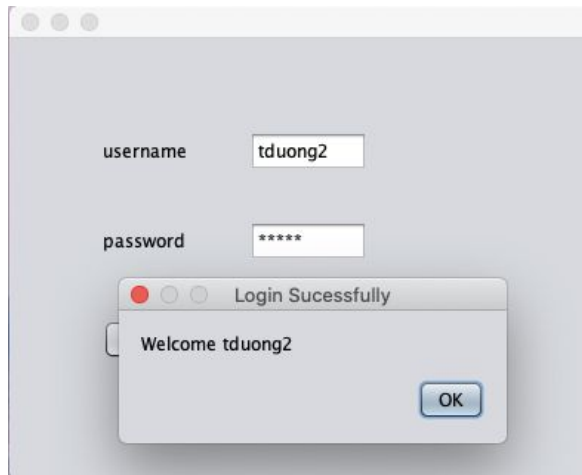
(Figure 2)

When the users login successfully, the Staff Users Interface will appear on the screen (Figure 3)

(Figure 3)

From Figure 3, the Staff Users Interface can be described as a form, which is titled "Users Information":

- The Field texts, where Staff put the information (name, phone#,...) of new Users in
- **"Save"** button - for save the information after Staff enter all the required field
- **"Clear"** button - in case Staff want to refresh the form and re-enter from the beginning
- **"Back"** button - turn back to the Staff Information form (will be discussed later)
- **"Next"** button - go to "User Display Information" (will be discussed later)
- **"View Table"** - to see a data table of all information of the Users

The form have 7 text fields (first name, last name, ID, Date Of Birth, Address, Phone #, and Status) respectively.

3.2. Manage Users

First, click **"View Table"** to see what were stored in the table of users (Figure 4)

FNAME	LNAME	ID	DOB	ADD...	PHONE	STAT...
test	test	01	199...	111	111...	f
tan	duong	02	199...	1111	1111	t
user	name	03	199...	2222	2222	e
chi	duong	04	199...	1234	12345	3
test	test	1	199...	111	111	1
tan	d	123	199...	222	2222	f
ee	ee	22	199...	234	333...	r
test1	test	456	199...	111	1111	1
tan	duong	987	199...	234	234	y
ss	ss	ss	199...	111	111	1

(Figure 4).

Doing this would help Staff easier to keep track of the data that they want to put in later. After viewing Users Data Table, click **"back"** to turn back to the form and start entering data. (Figure 5).

(Figure 5)

After filling in all required fields and checking them carefully, click **"Save"** to save data (Figure 6).

Now, click on **"View Table"** again to check if all the correct data are stored (Figure 7).

(Figure 6)

FNAME	LNAME	ID	DOB	ADD...	PHONE	STAT...
test	test	01	199...	111	111...	f
tan	duong	02	199...	1111	1111	t
user	name	03	199...	2222	2222	e
chi	duong	04	199...	1234	12345	3
test	test	1	199...	111	111	1
tan	d	123	199...	222	2222	f
ee	ee	22	199...	234	333...	r
Dylan	Bassich	246	199...	800...	098...	Y

(Figure 7)

We can notice that the user named "Dylan Bassich" was stored successfully on the data table. Now click the **"Back"** button under the table to return to the Users Information Form. The form should be automatically cleared. Click **"Next"** to go to the Users Display information form (Figure 8).
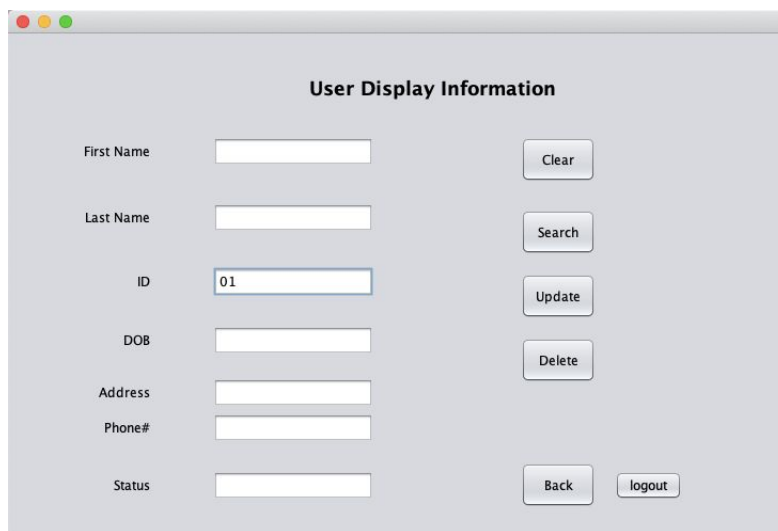
(Figure 8)

If the last form is to put information on the table, this form helps Staff to work with the table. On the right side, next to text fields are buttons for the users to interact with. For example, if the Staffs want to search a user with his/her id = 01, then just type "01" to the text field which represents the ID attribute (Figure 9).
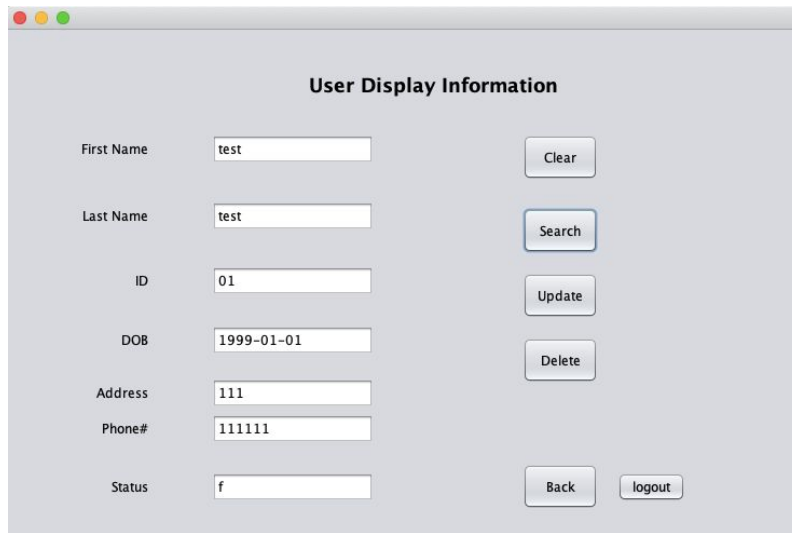
(Figure 9)

Then, click **"Search",** and every corresponding information would be filled (Figure 10).

(Figure 10)

If there is a mistake in the information that is already stored, Users can fix it by: 1. Search this information by using ID; 2. Fix the information; 3. Click **"Update"**. For example, changing the name "Dylan Bassich" to "Ryan Bassich"

1. Search for "Dylan Bassich " by using ID 246 (Figure 11-12)

(Figure 11)

(Figure 12)

2. Change "Dylan" to "Ryan" (Figure 13)

3. Click **"Update"**. If the message said "Updated", the information was changed on the table (Figure 14-15)

(Figure 13)

(Figure 14)

FNAME	LNAME	ID	DOB	ADD...	PHONE	STAT...
test	test	01	199...	111	111...	f
tan	duong	02	199...	1111	1111	t
user	name	03	199...	2222	2222	e
chi	duong	04	199...	1234	12345	3
test	test	1	199...	111	111	1
tan	d	123	199...	222	2222	f
ee	ee	22	199...	234	333...	r
Rylan	Bassich	246	199...	800...	098...	Y

(Figure 15)

If the information is not necessary for the system, Staff can delete it by using the **"Delete** button"**. Just search for the data by ID first, then click **"Delete"**. The message "Deleted" tells that the data is no longer on the table.
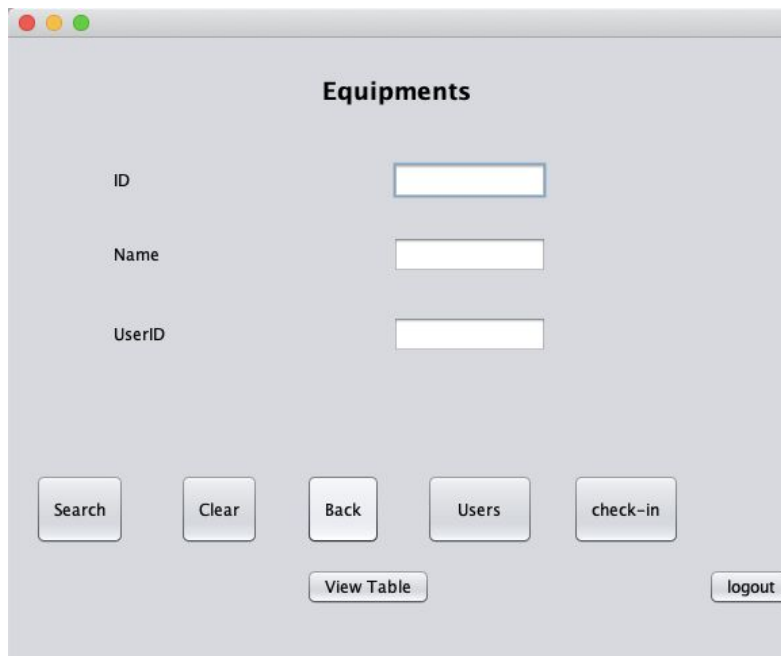
(Figure 16-17: Delete a user)

3.3 Manage Equipment

From the User Information Form, Click **"Back"** →
"Equipments". The window of equipments would appear on
the screen (Figure 18)

(Figure 18)

For Searching the equipment, enter ID, then click **"Search"**.
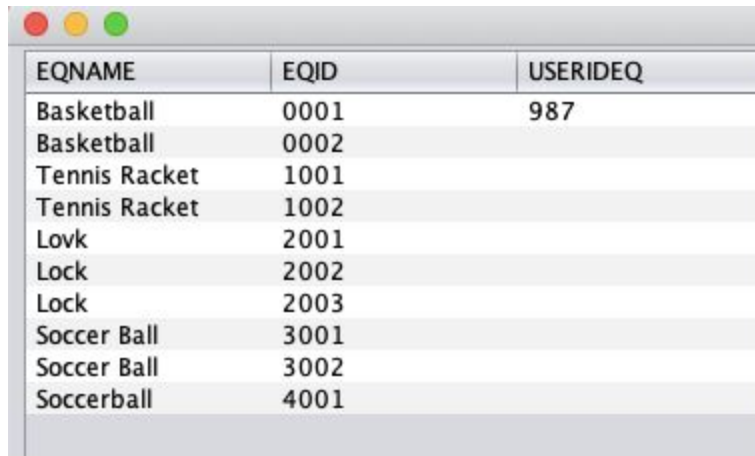Remember the wrong ID will return the "No record found" message
(Figure 19).
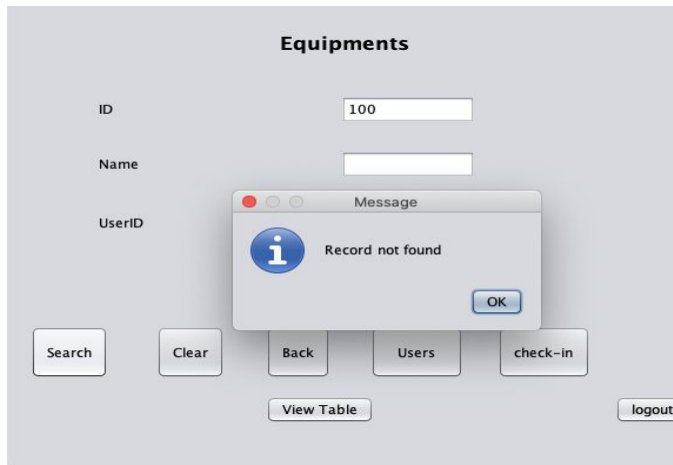
(Figure 19)

Example of successful searching of equipment (Figure 20) (The equipment name and optionally, the user ID will show up). Click on **"View Table"** to see the table of equipment also (Figure 21).
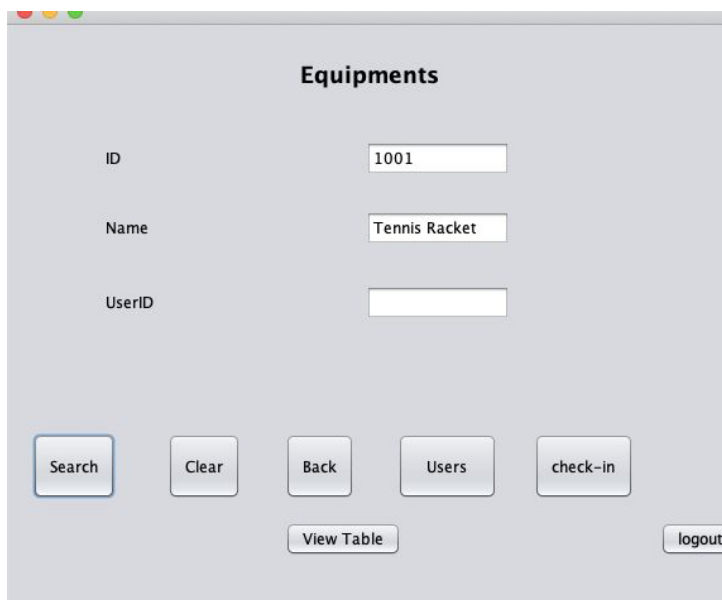
(Figure 20)
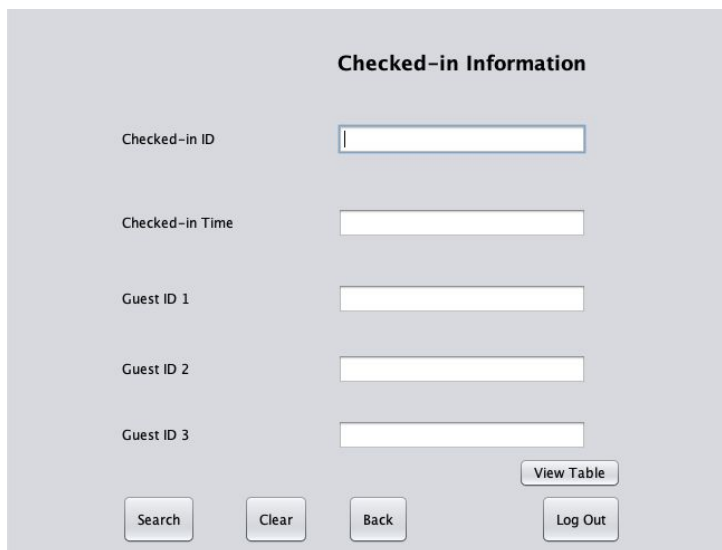
EQNAME	EQID	USERIDEQ
Basketball	0001	987
Basketball	0002	
Tennis Racket	1001	
Tennis Racket	1002	
Lovk	2001	
Lock	2002	
Lock	2003	
Soccer Ball	3001	
Soccer Ball	3002	
Soccerball	4001	

(Figure 21)

3.4 Manage Check-in

Click on the **"Check-in"** button on the right corner of the Equipment window. The Check-in Information form would appear on the screen (Figure 22).

(Figure 22)

Staff can keep track of the Check-in time by entering the Check-in ID and then click **"Search"**, or click on **"View Table"** to view the history of rental. The example of searching is show on Figure 23 (Success) and 24 (Error)

(Figure 23)

(Figure 24)

3.5. Log Out

Click the **"Logout"** button → The system is automatically turned back to the login form.

4. Supervisor Users - A Guided Tour

4.1 Login

Same as the 3.1

4.2 Manage the Staff Information.

Supervisors work on managing Staffs on the Staff Information window (Figure 25). Here, Supervisors can observe the Departments tables as well as keep track of the Staffs, and work on the Staff table. Supervisors can choose the staff from users by updating the staff.

(Figure 25)

Like a Users Information Form, Supervisors will enter all the information to the form, and click **"Save"** to store them in the table. First, Click on **"View Table"** to see what was stored already (Figure 26), then click **"Back"**, and start prompting the inputs

(Figure 27). After the form was filled, click **"Save",** and wait for the message to say "Insertion successfully" (Figure 28). Then check a table again (Figure 29). To refresh the form, click **"Clear"**.

(Figure 26)

(Figure 27)

(Figure 28)

(Figure 29)

4.3 Managing Staff Table

Click **"next"** to see a Staff Display Information window (Figure 30).

(Figure 30)

Supervisors can manage the Staff table by using this form. **"Search"** is for searching a specific Staff by typing his/her ID. For example, a supervisor knows one of the staff has ID "987", and he/she wants to know more information about this staff. The **"Search"** would be a big help. (Figure 31-32 show how to use this)

(Figure 31)

(Figure 32)

An **"Update"** button helps the Supervisors to fix mistakes of the staff's information. For a example above, update Work Hours to 10 (Figure 34-34)

(Figure 33)

(Figure 34)

Recheck the table, Work Hours changed to 10 (Figure 35)

STAF...	DNUMS	WAGE	DAT...	GRA...	Worh...	CPR
01	2	300...	202...	202...	8	Yes
987	4	500...	199...	199...	10	Yes

(Figure 35)

To delete a staff, search this staff by ID (see page 18), and then click **"Delete"**. Then recheck a table to make sure that it was deleted.

4.4. Manage Departments

Click on "Learn more about Dept" to go to the Department's information window (Figure 36-37)

Learn more about Dept. (Figure 36)

(Figure 37)

Supervisors can keep track of departments tables and Supervisors' ID here. To do that, enter the Department Number to the top field (from 1-6), then click "Search", all the information will be showed up (Figure 38-39)

(Figure 38)

(Figure 39)

4.5 Log Out

(See content 3.5).