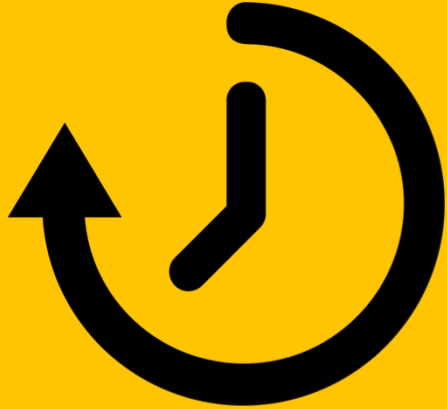# MealXchange

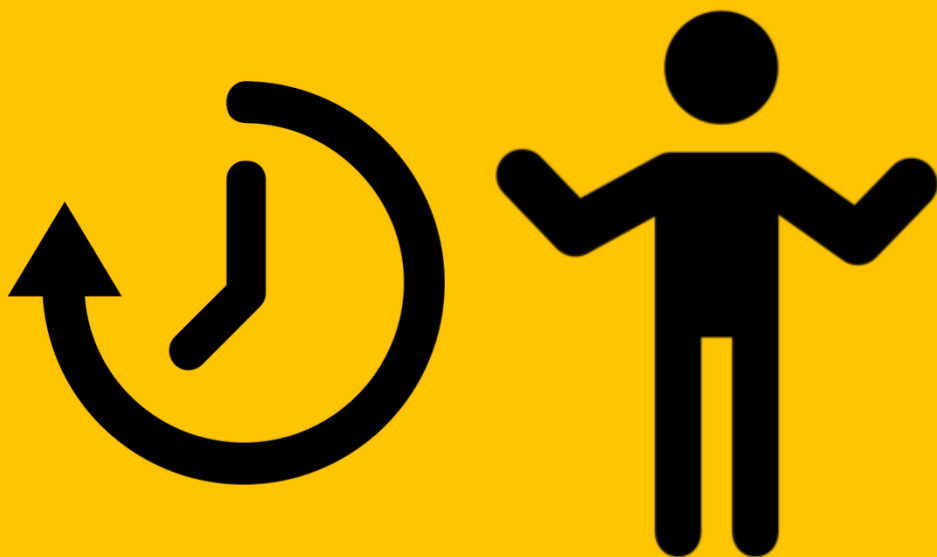Michael Buono | Asavari Sinha | Ava Chen | Louis Guerra | Paco Avila

The Current System

The Problem

Our Solution

Simple | Efficient | Secure | Transparent

MealXchange

Record and view meal exchanges and guest meals

Verify netID against club membership

Meal exchange email confirmation

Set Preferences | Edit Membership | View Exchanges

User Flow

```
Club Login  →  Home Page  →  Meal Exchange  →  Net ID Verification  →  Email Confirmation
                          ↘  Guest Meal     ↗
   ↓                                                    ↑
Register/                                          Pull from database        Update database
Reset Password                                        (Members)                 (Exchanges)

              Menu

              Club                    Pull from/update
              Preferences             database (Clubprefs)

              Edit          →  Add members        Pull from/update
              Membership       (by class year)    database (Members)
                            →  Delete members
                               (by selection)

              View            Pull from database      View
              Exchanges       (Exchanges)             Unconfirmed
                                                      Exchanges

              Logout      Download          Email
                          Excel File        Notifications
```

```
Club Login ──→ Home Page ──→ Meal Exchange ──→ Net ID Verification ──→ Email Confirmation
   │                      └──→ Guest Meal ──┘
   ↓                                              ↑                          ↓
Register/                                   Pull from database        Update database
Reset Password                                (Members)                 (Exchanges)
```

Club Login

Register/
Reset Password

Home Page

Meal
Exchange

Guest
Meal

Net ID
Verification

Email
Confirmation

Pull from database
(Members)

Update database
(Exchanges)

Menu

Club
Preferences

Pull from/update
database (Clubprefs)

Edit
Membership

Add members
(by class year)

Delete members
(by selection)

Pull from/update
database (Members)

View
Exchanges

Pull from database
(Exchanges)

View
Unconfirmed
Exchanges

Logout

Download
Excel File

Email
Notifications

Club Login → Home Page

Club Login → Register/ Reset Password

Home Page → Meal Exchange

Home Page → Guest Meal

Home Page → Menu

Meal Exchange → Net ID Verification

Guest Meal → Net ID Verification

Net ID Verification → Email Confirmation

Net ID Verification ← Pull from database (Members)

Email Confirmation → Update database (Exchanges)

Menu → Club Preferences

Club Preferences ← → Pull from/update database (Clubprefs)

Menu → Edit Membership

Edit Membership → Add members (by class year)

Edit Membership → Delete members (by selection)

Add members (by class year) ← → Pull from/update database (Members)

Delete members (by selection) ← → Pull from/update database (Members)

Menu → View Exchanges

View Exchanges ← Pull from database (Exchanges) → View Unconfirmed Exchanges

Menu → Logout

Download Excel File

Email Notifications