

# **MealMatcher**

**Meet, Eat, Repeat**

COS 333 Final Project Presentation  
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PRINCETON  
Electrical  
Engineering

# Introduction

- MealMatcher: service that allows you to grab a meal with someone new
  - Sign up for a time and place
  - Get randomly matched with another person

# Summary of Key Features

- Login through CAS
- Create a Meal
- Open Meals
- My Meals
- Email notifications

# **Demo 1: Finding a Meal**

# Implementation:

- Django
  - Python
  - Post Office
- PostgreSQL
- Bootstrap
  - HTML, CSS, JS
  - jQuery
  - CLNDR.js, Underscore.js, Moment.js
- Heroku

# Implementation: Models

## UserProfile

Login through CAS, then Django user

## Meals

DateTime, Location, Attires

Many-To-Many relationship with Users

# Implementation: Views


## Find a Meal


Get list of available meals, select based on user criteria, add UserProfile



# Implementation: Template


## Create a Meal


 5/5


 ☒ Breakfast


☐ Lunch

☐ Dinner

 7:00 - 8:00

 Whitman

 What'll you be wearing?



MATCH ME!

[Dining Hall Menus](#)

# Implementation: Views

## My Meals

Get list of meals by User



Receive POSTS by front-end to edit meals

# Implementation: My Meals Template



## Happening Now!

Meal	Time		Location	My Attire	Their Attire
Breakfast	7:30 AM	ONGOING!	Whitman	a red dress	only socks

## Upcoming Meals

Date		Meal	Time	Location	My Attire	Matched?	Edit attire	Delete
Wed 5/13	NEW!	Breakfast	7:30 AM	Whitman	a cape	Not yet		

## Past Meals

Date	Meal	Time	Location	My Attire	Status	Feedback	Delete
Thursday 4/30	Dinner	6:30 PM	Butler	a purple dress	Expired		

# **Demo 2 - Open Meals, Deleting Meals**

# Implementation: Open Meals Template

Underscore.js

CLNDR.js

# Open Meals

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4

5

6

5/10

Brunch

11:00

Whitm...

+

5/15

Dinner

5:00

Whitm...

+

5/16

Brunch

11:00

Wilson

+

i

# Implementation:

## Email Backend

- Difficulties
  - Proofpoint
- Uses of Notifications
  - When a meal is matched
  - When attire is changed
  - warning message 1 hour before the meal
  - When a meal is deleted
- SMTP
  - Gmail
  - Mandrill

# Reflections

- Reasonable project with reasonable deadlines
- All learned a lot
- Difficulties: emails, front-end, learning curve/setup
- Didn't launch to the school
- Features we didn't implement: keeping track of who's had meals with whom, proximity notification
- Future Directions: Hub for posting any campus activities to be done with new people, multiple people for each meal etc.

# Questions?