

# Meal Buddy

Sean Cann, Edrei Chua, Jun Suh, & Taeho Sung

#### The Idea



Let's grab a meal!

You select the location and time (or give us your schedule), class year and major of the person (or don't care!) and we assigned you to a mystery buddy (or you can choose to eat with a friend)!



P.S. this is not a dating app

- Make arranging meals hassle-free
- Platform to get to know more people on campus
- Easily set up meals with any of your friends!



## Why is Meal Buddy a Good Idea?

- Oriented towards freshmen who often have no one to eat with
- Upperclassmen can branch out and expand their social circles
- Easy for friends with busy schedules to coordinate a good meal time
- Students can get advice from faculty/staff over a friendly meal!





#### **Business Model**

Strategy:

- Free to download
- Revenue from:
  - In-app advertisements
  - Getting acquired (exit strategy)

Long Run Timeline:

- **Currently:** Finished demo of Android version
- 16X & 16F: Test Android app at Dartmouth College & improve
- Winter break: Develop and release iPhone version
- **17W and beyond:** Expand marketing to other campuses





#### **User Feedback**

We've gathered user-input from over 50 Dartmouth students

- People really like the new UI
- Positive feedback on the user-friendliness and usefulness on campus





## Competitive Edge

Down To Lunch:

- Very simple app
- #2 most downloaded app (iOS, April 23)



Tap 1 button to hang 🎉





## **Competitive Edge**

There are a few other dining apps out there:

• Grouper, LeftoverSwap, EatWith

How Meal Buddy is different:

- Focuses on only college students
- Allows you to match with strangers on campus





### **Threaded Diagram**



- UI Thread -UserProfileActivity, RequestPrefActivity, NotificationFragment, AcceptActivity
- AsyncTask MealUploader, NotificationDBHelper
- Backend PostDataServelet, CheckMatch, RequestMealDataStore, RequestMealData, query



## DEMO TIME!!!

#### Helpful Features

- Facebook authentication
- J Dining hours
- Joining menus
- Check if email is dartmouth.edu address
- Alarm and notification (





#### Lessons Learned

- Developed a better understanding of using Git and merging code
- Learned how to divide tasks and work individually/in pairs most efficiently
- Applying knowledge from class to new concepts and ideas
- Errors and bugs can truly come from the most unexpected places!



### Divide and Conquer: Who Did What?

- Sean Cann: Main UI design, Debugging
- Edrei Chua: Datastore (app engine), Debugging
- Jun Suh: Datastore (app engine), UI design, Debugging
- Taeho Sung: Database, menu and hours, Facebook authentication, Debugging







# Thank You!





# Supplementary Slides

#### User Interface - Welcome Screen



- Users must use Facebook to log into Meal Buddy!
- Will set the profile's default name to the Facebook user's name to deal with people fabricating their names



#### **User Interface - Easy Navigation**



- Simple, attractive, and intuitive user interface
- Navigation Drawer can easily switch between different fragments/activities
- Match with a stranger depending on preferences OR grab a meal with a friendly face with a few

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clicks!

#### User Interface - Dining Location, Menus, and Hours

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Menus	Hours	
Dartmouth Dining Services	Search this Site	
		Q
Welcome to Dartmouth Dining Services. You can fir more about all of our dining centers, their menus, ar nutrition facts for all of the food we serve.		

#### Locations

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53 Commons	٥
Courtyard Cafe	۲
Novack Cafe	٥
Collis Cafe	۲

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Search this Site	
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Spring Term	

Standard Hours of Operation

Monday - Friday

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#### THE CLASS OF 1953 COMMONS

'53 Commons is Dartmouth's premier all-you-careto-eat dining hall and the central point of on-campus dining. '53 Commons features an ever-changing menu of specialty items produced in a variety of separate areas such as our dedicated meat-free vegetarian kitchen, our dairv-free kosher kitchen or our state-of-the-art pizza hearth.

Saturday

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Sunday

WebView to display School's dining menus by locations and their respective hours

Back button for the WebViews take you to the previous webpage (instead of the most previous activity)

Can be conveniently checked before submitting a request

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#### User Interface - User Profile

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Sean Cann		Majo	ог			
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Blitz		12	23-456-78	90		
sean. 17@dartmouth.	edu					
Phone			Allow phone	sharing		
123-456-7890						
_			SAVI	E	CANCEL	
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- User profile stored in database and datastore (whenever a request is sent)
- Username is set to facebook login name to lessen people giving fake names
- Class year, major, blitz and phone number (no gender!)
  - Contact information is exchanged when there is a match



### User Interface - Random Meal Requests

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MealBuddy		Meal
Rando	om Meal	Day of
Class year of your ful	ture friend:	
No preference		When y
Field of study of you	r future friend:	
No preference		
Day of meal:	27, 2016	
May	27,2010	Where
When you're availabl	e:	
LUNCH	DINNER	
9Ls	<b>5:00-6:00pm</b>	
<b>10s</b>	<b>5:30-6:30pm</b>	
<b>11s</b>	<b>6:00-7:00pm</b>	
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		6:30-7:30pm	
		7:00-8:00pm	
		7:30-8:30pm	
Where	you want to	eat:	
	Collis	<b>Foco</b>	
	KAF	🗌 The Hop	
	Novack	Off campus	
	CANCEL	SUBMI	Г!
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- Submit a meal request by inputting your availability and optional preferences (class year and field of study of your future friend)
- Sends the meal request to the server to find you a match!



### User Interface - Friend Meal Requests

Meal Buddy

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#### **Eat with Friends**

- - 10 3:02

Enter the name of your friend:

Day of meal:

May 31, 2016

When you're available:

LUNCH	DINNER
SIS 9Ls	<b>5:00-6:00pm</b>
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<b>11s</b>	<b>6:00-7:00pm</b>
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**11s** 6:00-7:00pm **12s 6:30-7:30pm** 

 $\square 2s$ 7:00-8:00pm 7:30-8:30pm

#### Where you want to eat: **Collis Foco KAF** The Hop Novack Off campus CANCEL SUBMIT! $\triangleleft$ Ο

- Submit a meal request by inputting your availability and optional preferences (class year and field of study of your future friend)
- Sends the meal request to the server to find you a match!



#### **User Interface - Notifications**



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Sean Cann

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Jun Suh

Class:Class:20202018Major:Major:ArtsInterdisciplinaryEmail:Email:sean. 17@dartmouth.edudongjun.suh.Phone:17@dartmouth.eduNot AvailablePhone:6032760850

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- The Notification fragment displays the upcoming stored notifications on the list
- onListItemClick sends the users to the appropriate activity to check such notifications



#### Our Team



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#### Meet the Meal Buddies



Our team consists of Taeho Sung '17, Sean Cann '17, Jun Suh '17, and Edrei Chua '17.

These four strapping lads are the creators of Meal Buddy, an app designed to help you conveniently grab meals with both old friends and new acquaintances. NOTE: THIS IS NOT A DATING APP. TINDER AND FRIENDSY SHOULD REALLY BE ENOUGH TO QUENCH YOUR THIRST.

For more info, check out our website: <a href="http://mealbuddy.wix.com/main">http://mealbuddy.wix.com/main</a>

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#### Website and robust UI for app have been improved based on user feedback

- Team collaboration on GitHub - 54 commits!
- Over 120 man-hours so far!

