

# Meet & Cheese



---

Sebastian Cevallos, Juan Castro, Colleen Lam,  
Ofri Mayer, Yassin Kortam



# *Table of Contents*



- 01 - *Overview & Purpose*
- 02 - *Basic Features*
- 03 - *Distinct Features*
- 04 - *Demo*

# 01

## *Overview & Purpose*

# Quick Overview

- Meet & Cheese is a meeting scheduler app.
  - Finds your availabilities, so you don't have to.
  - Allows you to create and join meetings.
  - See the availabilities of others
- Uses the MERN stack, Google Calendar API, and FullCalendar

# *Purpose*

- Most scheduling websites are difficult and confusing to navigate:
  - They do not display your availability.
  - Requires a lot of manual input.
- Meet & Cheese automates planning meetings:
  - Finds the intersections of your events to retrieve your availability.
  - Simple, easy to use.

# *Target Users*

- Students:
  - Clubs, organizations, study groups, etc.
- Businesses
- Employees
- Anyone!

# 02

## *Basic Features*

---

# ***Basic Features***

---

1. Display dynamic data.
2. Upload data from client to back-end
3. Search through server side data



# *Displaying Dynamic Data*

- Calendar (specific to the user):
  - Availability (intersections of Google Calendar events)
- Meetings List (specific to the user):
  - Created meetings
  - Joined meetings
- Meeting page (specific to the meeting):
  - Organizer and participants emails
  - Availability of all members
    - Changes as more users join / leave.

# *Upload data from client to back-end*

- User Data:
  - User ID (Google email address)
  - All meetings (meeting IDs)
  - Created meetings (meeting IDs)
- Meeting Data:
  - Meeting ID
  - Meeting name
  - Organizer ID
  - Meeting member IDs
  - All members' availabilities

# *Search through server side data*

Meetings List page:

- Search by user email.
  - Look up emails in the search bar to find all meetings you both have in common.
- Created Meetings.
- Joined Meetings.

# 03

## ***Distinct Features***

# ***Distinct Features***

---

1. Create, share, and join meetings.
2. Availability finding algorithm.
3. Modify your loaded availability.
4. Send Google Calendar meeting invites.
5. Delete/leave meetings.

# Create & Join Meetings

- Create meetings for others to join.
  - Meeting creator can load/modify their availability.
  - Share a unique meeting link with others.
  - Organizers can confirm and set a meeting time.
    - Drag on calendar page to create the meeting.
- Join a meeting.
  - Members can join an existing meeting.
  - Can load and modify their availability
  - Cannot can confirm or set a meeting time.

# *Availability Finding Algo.*

- We display when you're free, not when you're busy.
- Intersection Find:
  - Finds the common availability of all users in a meeting
    - Intersection of complements of event times
    - Intersection of the above across all users

# *Modify Loaded Avail.*

Upon loading in your availability...

- Drag, resize, and set time-constraints on your loaded availability.
  - Drag an availability to a different time and/or date.
  - Resize the start and/or end times of an availability.
  - Set time-constraints for all of your availability.
- Click availabilities to save them, or click again to unsave.
  - Saved availability is what's displayed to other members.
- Revert changes button.
  - Reset all availabilities back to its original state.



# *Send Google Calendar Invites*

- Finalize a meeting.
  - Only organizers can confirm a meeting time.
  - Drag to create the meeting event
  - Set a title and description for the meeting.
- Send a Google Calendar invite to all participants
  - Clicking “Confirm Meeting”
  - Updates all users’ calendars with the meeting time, title, and description

# *Delete/leave Meetings*

- Inside of “Meetings List” page, users can delete meetings.
  - Created Meetings (delete):
    - Deletes meeting completely.
    - Members who joined will no longer see the meeting.
  - Joined Meetings (leave):
    - Deletes meeting for the user.
    - Removes the user, and their availability, from meeting.
    - All other members still see the meeting.

04

*Demo*

---

[illegible]

# 05

*\*Technical Details*

---

# *Calendar Availability Events*

- In order to display and save availabilities, each availability:
  - Has a unique ID, generated with UUIDv4
    - Without this, impossible to determine who owns a specific availability (for the Meeting page)
  - Saved in an array, containing start/end time, and a user ID.
    - Without this, impossible to remove users' from meetings for the deleting/leaving feature (for the Meeting page)
  - Stored as an “event” in order to be displayed by FullCalendar

# *Calendar Availability Events*

- To handle saving, resize, drag & drop, resizing, time constraints, and displaying tooltips, created these callback functions to be used after a trigger:
  - `handleEventDrop`, `handleEventResize`, `handleMouseEnter`, `handleStartChange`, `handleEndChange...`
    - Does it's task and also updates the "Saved" array

# *Delete / Leave Meetings*

- On the list meetings page, users also have the option to “trash” a meeting
- No thought has to be put into choosing whether that means leave or delete the meeting, since the website does the thinking for you
- The design choice for deleting a meeting required some thought, since the reference to the meeting had to be deleted from every user who was a part of it





# *Thanks!*

Sebastian Cevallos  
Juan Castro  
Ofri Mayer  
Colleen Lam  
Yassin Kortam



CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, infographics & images by **Freepik** and illustrations by **Stories**

Please keep this slide for attribution