```
ekday
        every list [date,[times]] in empties
     apties:
    the date in empties is the same as the date of the c
 make sure that we only effect times on the day the ev
                                                             Dwight Look College of
                                                                    INEERING
if k[0] == evDate:
   1 = 1
   # iterate through the times of k and change
   while 1 < len(k):
       # FIRST if the event is the same a
       if (j.sTime == k[1][0] and j.eT;
          k.remove(k[1])
          # drop 1 down by one as
          1-=1
                                   Team 3: Smart Scheduler
       # THEN if the event li
       elif (j.sTime > k[]'
                                   Bi-Weekly Update 5
          temp = k[1][1]
          k[1][1]=j.
          k.append
       # THEN if
       elif (j
```

Collin Bennett, Nicholas Garde Sponsor: Narasimha Annapareddy

TA: Eric Robles



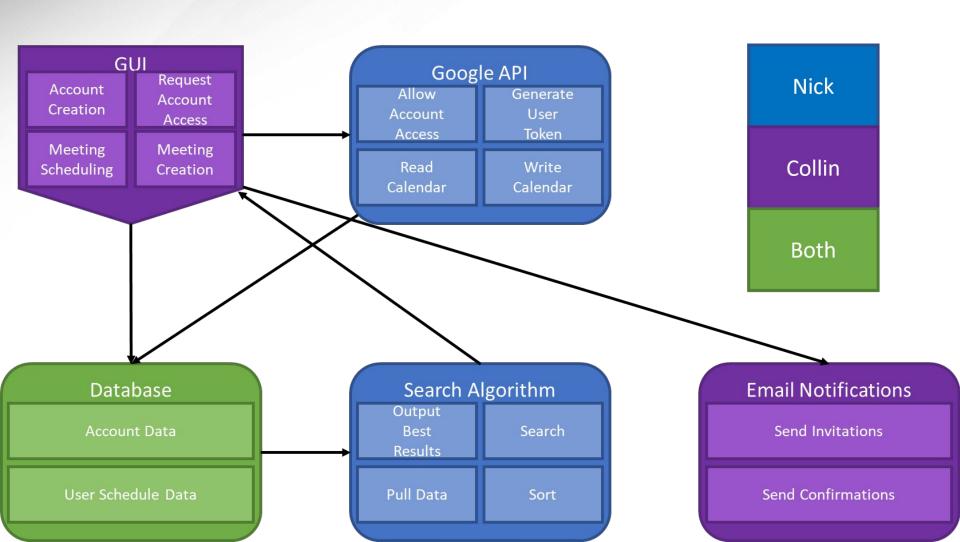
Introduction

 Scheduling meetings can be very difficult, so we are simplifying the process.

Mon	Tue	Wed	Thur	Fri

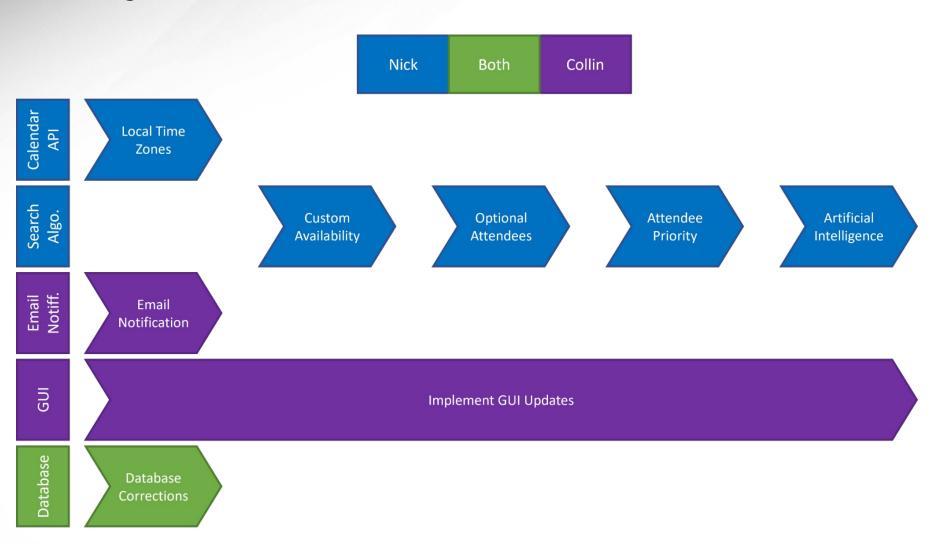


Project/Subsystem Overview





Project Timeline





Graphical User Interface

Owner: Collin

Since last presentation: 15 hours of effort	Ongoing progress/problems and plans until the next presentation
 Optional/required attendees Integrated "Remember Me?" Color redesign/Reactive hover Fixed profile update form Overhauled Python Overhauled HTML/CSS Hosted on Heroku 	 Implement slider counter Omit blank meeting information



Graphical User Interface

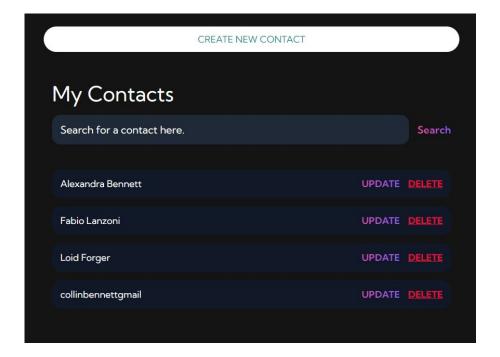
Owner: Collin

- Delayed feature to add the ability to import contacts from Google
- Making updating and deleting elements more intuitive.

Before



After





Database

Owner: Both

Since last presentation: O hrs of effort	Ongoing progress/problems and plans until the next presentation
- Database is complete	- N/A



Search Algorithm

Owner: Nick

Since last presentation: 15 hrs of effort	Ongoing progress/problems and plans until the next presentation		
 Developing methods of scoring priority and optional attendees Bug-fixing data structure and results arrays 	- N/A		

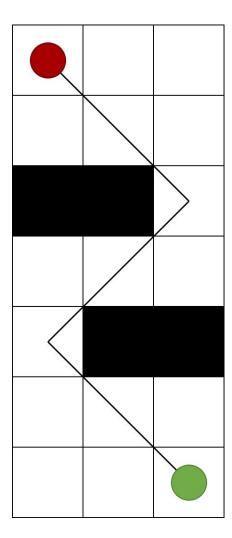


Search Algorithm

Owner: Nick

Current Design

- Places events onto calendar data structure
- Searches by # of conflicts
- Take into account number of participants in each meeting
- 24hr data structure
- Optional Attendees
- Take into account priority of participants





Calendar API

Owner: Nick

Since last presentation: 10 hrs of effort	Ongoing progress/problems and plans until the next presentation		
Optional "Remember Me?"Ignoring JSON file system	- Hosted bug fixes		



Calendar API

Owner: Nick

Current Design

- Pulls user events from their calendar
- Pushes created events back onto their calendar
- Retrieve user time zones
- Option to skip authentication

Planned Design

Hosted Functionality





Email Notifications

Owner: Collin

Since last presentation: 2 hours of effort	Ongoing progress/problems and plans until the next presentation		
If meeting is canceled, user is now notified	 Continuation of testing and refinements Implement attendee "Remember Me?" functionality 		



Email Notifications

Need to integrate "Remember Me?" Functionality

Meeting Invitation

Meeting Confirmation



smartscheduleralerts@gmail.com

to me 🔻

You have been invited to a meeting. Here are the details:

Meeting name: Demo Meeting Description: Testing Functionality Deadline: August 03, 2023

Duration: 3 hours and 30 minutes

Link/Location: Texas

To RSVP, click the following link: localhost:8000/accept meeting google/57/46/accept

To decline, click the following link: localhost:8000/decline_meeting/46/decline



smartscheduleralerts@gmail.com

to 🔻

You have been confirmed for the meeting. Here are the details:

Meeting name: Demo Meeting Description: Testing Functionality

Time: 1300

Duration: 3 hours and 30 minutes

Link/Location: Texas

View this event in your Google calendar:

https://calendar.google.com/calendar/u/0/r



Execution Plan

		Completed	In Progress	Not Started		
Subsystem	August 31st	September 14th	September 28th	October 12th	October 26th	November 7th
Search Algorithm (Nicholas)	Review changes to algorithm and receive sponsor feedback	Implement timezone functionality	Implement custom start and end times, valid days	Researching better machine learning and lowest-cost solutions	Iron out any potential oddities in the search algorithm	Have search algorithm completely done
Database (Both)	Move from firebase to relational database	Simplify database, getting rid of unnecessary tables	Have database ported from SQLite to PostgreSQL and hosted.	Continue work on other subsystems	Check database for correctness	Database is done, hosted and complete
GUI (Collin)	Django website bug fixes and refinements	Have some form fields optional to speed up the process	Have required and optional attendee functionality integrated	Get additional user feedback on the website style	Implement changes based on the user feedback	GUI is finalized and styled
Email Notification (Collin)	Rework email to SMTP from API functionality	Email is properly styled	Email is fully functional on a basic level	Email is not being sent to user's spam folder	Validate and test email	Email fully complete
Google APIs (Nick)	Review and research Google APIs in Django	Integrate timezone functionality with Google API	Send invites through the API (Send confirmation email to creator)	Begin testing correctness of API calls	Finalize testing of API calls	Get APIs functioning on hosted site



Validation Plan

Task	Specification	Method	Result	Owner
Google Calendar - Insert Event Times	Google API is properly inserting correct event times	Ensure that calendar events can be added to specified user calendars without error. Specifically, ensuring that users in different time zones are being sent the proper information.	Complete	Nicholas Garde
Database - User Authentication	Database is storing user account details	Ensure PostgreSQL solution is working properly	Complete	Collin Bennett
Database - Event Parameters	Ensure event parameters are added properly	Add several events of varying nature to Database from the GUI, ensuring that they are properly added each time by comparing the inputted values to those stored in Database.	Complete	Collin Bennett



Validation Plan (Continued)

Task	Specification	Method	Result	Owner
Database - User Events	Ensure User events are properly added	Pushing each user's calendar to database to be stored until the data is needed for the search	Success	Collin Bennett
Search Algorithm - Time Zones	Ensure User events have proper times	Ensure that users in different timezones are correctly accounted for by the algorithm	Success	Nicholas Garde
Search Algorithm - Additional Parameters	Valid times	Ensure that additional parameters are correctly accounted for by the algorithm	Success	Nicholas Garde
Email API Correctness	Testing of Email Notification Scenarios	Ensure the email link clicks make the proper writes to the database and move efficiently.	Success	Collin Bennett
GUI - Ease of Navigation	Exploring GUI navigation ease-of-use	Ensure the GUI navigation works properly, nothing is out of place, and correct error messages are displayed.	Success	Collin Bennett
Bug fixing	Attempting to break and Find Errors in Our Program	Ensure that the program works under all conditions by scheduling numerous programs under varying conditions and checking that they are scheduling correctly.	Success	Collin Bennett and Nicholas Garde



Questions?