

## Group Project 4280 Spring Project Development Process Documentation

### Burning Alpaca Members:

Luke Bicklein

Ahsan Khan

Tom Grossman

James Spatola

Project: Develop Messaging App for Music Department

Customer: Gary Brandes, Department Chair

Project Description: Instant message music department groups easily to iPhone or Android. Includes integration with Google Calendar for event notification. Working name -- Music Department Messaging System.

Development Process Description: 1 Iteration with testing during development and tasks tracked on board.

### Documentation Sections

1. Tasks
2. Communications

### Tasks:

1. Name: Initial Backend Framework
  - a. Description: Setup servers: web, database, mail. Write basic html/css/javascript/php/sql calls.
  - b. Worked by: Tom
  - c. Estimated Days of Work: 7
  - d. Real Total Days of Work: 5
  - e. Start Date – End Date: 3/24/17 – 3/29/17
2. Name: Institute carrier DB
  - a. Description: Create useable list for mail to text.
  - b. Worked by: Luke and Tom
  - c. Estimated Days of Work: 3
  - d. Real Total Days of Work: 3
  - e. Start Date – End Date: 3/24 – 3/30
3. Name: Make mobile carrier DB institute in webapp
  - a. Description: Integrate carrier DB
  - b. Worked by: Luke

- c. Estimated Days of Work: 2
  - d. Real Total Days of Work: 1
  - e. Start Date – End Date: 3/31
- 4. Name: Setup Github and Slack
  - a. Description: Make account for project communication and code versioning
  - b. Worked by: Ahsan
  - c. Estimated Days of Work: 1
  - d. Real Total Days of Work: 1
  - e. Start Date – End Date: 3/24
- 5. Name: Interface design
  - a. Description:
  - b. Worked by: Tom, Ahsan, James
  - c. Estimated Days of Work: 3
  - d. Real Total Days of Work: 2
  - e. Start Date – End Date: 4/10 – 4/12
- 6. Name: Acquire Graphics
  - a. Description: Apply to interface. Tests scalability
  - b. Worked by: Luke, James
  - c. Estimated Days of Work: 2
  - d. Real Total Days of Work: 1
  - e. Start Date – End Date: 4/22 – 4/22
- 7. Name: Google Calendar
  - a. Description: Develop function to use Google Calendar API to grab data and display to user.
  - b. Worked by: Ahsan
  - c. Estimated Days of Work: 4
  - d. Real Total Days of Work: 3
  - e. Start Date – End Date: 4/27 – 7/21
- 8. Name: Testing Notifications
  - a. Description: Trace bottlenecks. Test multiple carriers. Develop Avg time.
  - b. Worked by: Luke, Tom
  - c. Estimated Days of Work: 4
  - d. Real Total Days of Work: 4
  - e. Start Date – End Date: 4/27 – 7/21
- 9. Name: Integrated Testing
  - a. Description: Test all things in production environment. Break system.
  - b. Worked by: Ahsan
  - c. Estimated Days of Work: 7
  - d. Real Total Days of Work: 4
  - e. Start Date – End Date: 4/24 -5/1

10. Name: Sever Migration

- a. Description: Move all code from development environment to production environment owned by 4500 professor for one year that the Music Department gets to use conjointly during that period of time.
- b. Worked by: Luke, Tom
- c. Estimated Days of Work: 2
- d. Real Total Days of Work: 3
- e. Start Date – End Date: 4/30 -5/1

11. Name: Deployment Testing

- a. Description: Test system with Gary with class as users and Deployed environment.
- b. Worked by: Luke, Tom
- c. Estimated Days of Work: 2
- d. Real Total Days of Work: 2
- e. Start Date – End Date: 5/2

Burning Alpaca on Slack Communications Log:

ahsankhan [12:54 PM]

joined #general. Also, @isuck joined, @tom joined, @jamess joined.

ahsankhan [2:52 PM]

I made a github project:

<https://github.com/LetoTheSecond/BurningAlpaca>

GitHub

LetoTheSecond/BurningAlpaca

BurningAlpaca - Group 4 Github repository (34kB)

(edited)

[2:52]

I used a random name generator to choose the name and thought this one sounded cool, we can change if you guys want to.

[2:53]

Post your github username and I'll add you to the project

tom [4:11 PM]

TGrossman90

I'm strangely okay with that name lol

jamess [10:39 PM]

js2k9

[10:40]

cool with name

----- March 11th -----

isuck [3:08 PM]

lbicklein

[3:08]

name is great

----- March 13th -----

isuck [6:43 PM]

Unfortunately, it doesn't look like Microsoft Project is an available program for free student download. If anyone has any preferences or suggestions (James you may have features you want for documentation) let me know. If not, I will begin to organize something as soon as we know the timeline. I think it's important we track, document and administrate in one place that everyone can check in on in order to make collaborate smoothly.

----- March 14th -----

tom [11:12 AM]

Do we want to try and explore any of the alternatives? I know there are a few free ones, but I don't know how good they are.

ahsankhan [11:42 AM]

We could just do it ourselves:

<https://docs.google.com/spreadsheets/d/1BKkxBQvO9z44ivCl3NekgHszkBMiixreDtkfQmoeQho/edit?usp=sharing>

[11:42]

Can you guys access that sheet?

tom [11:46 AM]

I sent a request to access it

ahsankhan [11:51 AM]

I set the permissions to anyone with the link can view the sheet. You cant? I don't see any requests. I haven't used google docs before.

[11:51]

As in owned/operated a sheet

tom [11:51 AM]

I can view it but I can't edit it

[11:51]

Unless we don't need to edit it

ahsankhan [11:52 AM]

Try now

tom [11:56 AM]

Yeah it worked.

[11:56]

Did you just open all permissions?

ahsankhan [11:56 AM]

Anyone with the link can edit

tom [11:57 AM]

:+1:

tom [1:20 PM]

[https://en.wikipedia.org/wiki/Sieve\\_of\\_Eratosthenes#Pseudocode](https://en.wikipedia.org/wiki/Sieve_of_Eratosthenes#Pseudocode)

Wikipedia

Sieve of Eratosthenes

In mathematics, the sieve of Eratosthenes (Ancient Greek: κόσκινον Ἐρατοσθένους, *kóskinon Eratosthénous*), one of a number of prime number sieves, is a simple, ancient algorithm for finding all prime numbers up to any given limit. It does so by iteratively marking as composite (i.e., not prime) the multiples of each prime, starting with the multiples of 2.

The multiples of a given prime are generated as a sequence of numbers starting from that prime, with constant difference between them that is equal Show more... (157kB)

isuck [1:20 PM]

Input: an integer  $n > 1$ .

Let  $A$  be an array of Boolean values, indexed by integers 2 to  $n$ ,

initially all set to true.

for i = 2, 3, 4, ..., not exceeding  $\sqrt{n}$ :

if A[i] is true:

for j = i<sup>2</sup>, i<sup>2</sup>+i, i<sup>2</sup>+2i, i<sup>2</sup>+3i, ..., not exceeding n:

A[j] := false.

Output: all i such that A[i] is true.

ahsankhan [1:22 PM]

[http://www.mie.uth.gr/ekp\\_yliko/fortran\\_quick\\_reference\\_cheat\\_crib\\_sheet.pdf](http://www.mie.uth.gr/ekp_yliko/fortran_quick_reference_cheat_crib_sheet.pdf)

isuck [1:25 PM]

adding up numbers between 1-10:

[1:25]

SUM = 0

DO 10, I = 1,100

SUM = SUM + I

10 CONTINUE

----- March 19th -----

isuck [4:14 PM]

Hey everyone. If you get the chance today please post your phone numbers in here (Luke: 618-340-1886). This will make it just a bit easier to contact everyone and coordinate in the upcoming weeks. If any of you ever miss class or have questions or comments, don't hesitate to text me any time of the day or night. We should be receiving our client's contact information on Tuesday. I think we will need to see the material from the previous group in order to make a complete proposal, however, I think it would help if everyone would brainstorm for a few ideas/features/goals that we can pitch to our client that supports our web-app. I know this sounds like jumping the gun, but I really want to hit the ground running on this project and this is a good way for us to all start thinking as a group and getting on the same page early. Feel free to rattle off ideas in here, and hopefully by Wednesday we will have our proposal drafted and be well on our way to our first client meeting.

----- March 20th -----

tom [5:27 AM]

314-578-2000

----- March 21st -----

james [10:51 AM]

314-435-2512

ahsankhan [11:12 AM]

(636) 692-8740

----- March 24th -----

tom [2:39 AM]

So I've been messing around with some stuff tonight. Firstly... Wix doesn't support PHP/MySQL. For what we're trying to do, it probably isn't going to work. But what is an option is <https://www.slideshare.net/zomigi/building-responsive-layouts-15508821> I think. Looks pretty simple too... just fancy CSS basically. Allows the website to be rescaled to fit every device optimally that it opens on if you design a simple layout. Also, as far as the user authentication system I was talking about on monday, I can't find anyway reasonable way to do what I had originally wanted unless the University of Missouri let's us have access to the SSO system, which isn't going to happen. So what I'm working on instead is a user registration/auth system that requires your UMSL email and will perform email verification. Sign up, check email, click link, access account. You can see what I've got working so far here: <http://thedreamteam.me>

I just need to do the email verification part and it'll be done. Implement it in the design we come up with later and should be good to go on that.

slideshare.net

Building Responsive Layouts

The updated CSS Dev Conference version of my Building Responsive Layouts talk. Get links to lots of related resources at <http://zomigi.com/blog/responsive-layo...>

[2:43]

It has field verification, wont allow duplicate emails/users. Try it out. Passwords are hashed with bcrypt if anyone has messed with hashing before. User database looks like this <https://gyazo.com/5aa2bfcca1abdc389b3dcd530da3616e>

Gyazo (10kB)



tom [11:19 AM]

Alright so here's the info from the meeting. We're developing an app that makes communication easier from the department to students.

There will be 3 user classes - Students, Faculty, Admin

Students receive. Faculty/Admin push announcements. Admin can make changes to announcements and these changes are then pushed.

There are 6 user-groups: Winds/Percussion, Vocal, Strings, All/Department, Music Ed. The membership to these groups is year long with minimal additions/subtractions over the term.

Announcements are sent to the members of the targeted user group.

Announcements include: Room changes, time changes, achievement recognition, etc.

Users will need to be authorized for registration by the department so the department has control over which users can access the system and to ensure users are in the correct groups.

Usage: 300-350 students + ~18 full-time faculty + ~25 adjuncts.

--SECONDARY--

Calendar of Events: Department will post events (possible to sync with Google Calendar?)

Directory: Department directory

James, fill anything in if I missed something but I think this covers it all.

I've come up with solutions (need to verify my ideas when I get back home and have access to my computer) for everything, and I believe I've devised a way to make the original plan of a web-ap work flawlessly. Including push notifications to phones. I'll get back to everyone about that tonight though.

[11:20]

Also, our next meeting is April 4th during class.

tom [4:07 PM]

added this SQL snippet: DB Structure for User/Announcement System

-- Server version: 5.5.54-0+deb8u1

-- PHP Version: 5.6.30-0+deb8u1

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
```

```
SET time_zone = "+00:00";
```

Add Comment Click to expand inline 94 lines

tom [4:11 PM]

So that's what I'm thinking right now for the database. I'm going to try and make some basic scripts that will use it to see how it goes.

One that that will need to be added later is a table for "allowed users" that can be checked during the registration process, but I'll come back to that.

The way I'm thinking about this structure is: You want to send an announcement to all the vocalists. Run a query that returns all usernames that are in the "vocalGroup" table and store result in an array. Create the announcement and store it in a variable (can be max 255 characters long -- so basically a super tweet). Run another query that stores the username + announcement in another table called "announcements". Then, when users sign on, a query searches "announcements" for their username and returns all announcements directed towards them. They can then have the option to save the announcements (do nothing) or delete them (drop them from the mysql table).

jameess [9:25 PM]

Hi everybody. I think Tom covered about everything. Interesting omission by Gary was room scheduling.

tom [9:27 PM]

By the sound of things that was just Miller talking and not knowing exactly what Gary wanted.

jameess [9:27 PM]

The push notification seemed the first priority. Secondary was calendar which could probably do some kind of scheduling.

In the future maybe some facebook integration.

tom [9:28 PM]

Right now I've got a working announcement creation/sending platform. Doesn't have any user permissions or anything fancy, but you can send announcements to one or more specified groups and all users within that group will (soon) have the ability to login and see that they have an announcement waiting for them to view.

[9:29]

Lemme take some screenshots of it. Like i said it's just the most basic (working) framework for testing.

jamess [9:33 PM]

Cool. Since the first deliverable unit would be the web-ap push notifications to phones, lets focus on database with basic moc data, web-ap push notification working to at least one platform.

We can work on getting graphics and prettying it up too. Steal a bunch of triton and music department graphics.

tom [9:35 PM]

Here's the database with the different tables (user groups) for reference of usernames after announcements are sent.

<https://gyazo.com/413aee2dfef01da29e32691f59131622>

Gyazo (24kB)

jamess [9:35 PM]

I would like a way for the admin users to output all the users per group to file where we could add it to the database in a more automated fashion. If we can get away from the dark ages of data entry

tom [9:37 PM]

<https://gyazo.com/028397aa1f8b9a096d56df58b4f325a0>

<https://gyazo.com/fe817b40b468193f641274a00b488d0d>

<https://gyazo.com/ec496c924374de1583759f1653a88880>

<https://gyazo.com/1c9b94e8287dcb634c83b9e5f060ef23>

<https://gyazo.com/9690c7bcf3f4c2476568f554d9f2d291>

Gyazo (6kB)

Gyazo (16kB)

Gyazo (16kB)

Gyazo (16kB)

Gyazo (15kB)

[9:37]

<https://gyazo.com/aaa1a8e6931843388bf29a223e59c7a7>

Gyazo (16kB)

jameess [9:37 PM]

We need to plan a way to hand this to the music department where all web and database hosting can be paid for yearly cheaply or free by the university

tom [9:38 PM]

I've got all the database creation saved as a SQL query. Everything I've done so far is replicated on every server by executing the SQL query to create the database and then editing one .php file to edit the database login info for all of the pages.

tom [9:45 PM]

<http://thedreamteam.me> if you want to play with any of it.

If you want to check out the database and see what kind of changes you've made to it when you use the site, you can login to phpMyAdmin: <http://thedreamteam.me/phpmyadmin>

User: burningalpaca

Pass: cs4500

[9:48]

if you test out the registration, it doesn't actually verify the email is real or have any further confirmation (I'm going to do an email confirmation once I install a mailserver onto my VPS) so you can make as many accounts as you want with no restrictions on names (other than no duplicates). And all users will currently have access to sending announcements until I have it check for user permissions.

----- March 25th -----

tom [3:27 AM]

So basic announcement sending works. To test it:

<http://thedreamteam.me>

--Login--

[3:27]

User: admin

Pass: password

User: student

Pass: password

[3:28]

Admin has permissions to send announcements, student does not. Currently admin/students only user groups are "All" but it will now work for any option if there were users in those groups.

[3:29]

If you create any account it defaults into the "All" usergroup with student permissions.

[3:30]

The admin control panel doesn't work yet.

[3:30]

Announcements can be saved or deleted from your inbox once you read them.

----- March 26th -----

tom [3:15 AM]

Tonight I added a page to the Admin Control Panel for adding authorized users. In order to register an account on the site you must have an administrator add your email to the list of authorized users. Or, if you are a faculty/admin member and you want to create your account and have proper permissions, an admin must add your email to a fac/admin list so you can register and get your permissions.

Also made it so you have to use an email from the @mail.umsi.edu or @umsi.edu domain.

Admin and Student accounts are still there so you can login and test/play around with shit.

james [7:54 PM]

Thanks Tom. For the first thing we show the customer, the admin manually adding users and groups is good. Automation if any, can come later.

----- March 27th -----

isuck [5:44 PM]

Looks good. Is there a time we can schedule in the next couple of days that works for everyone to get on here for a conference call/chat? I think it would be helpful to coordinate work and set goals for the end of the week.

tom [6:58 PM]

I'm leaving town Thursday morning.

tom [7:07 PM]

I was just going to keep working on this to get it functioning for the entire basic announcement system that he wanted. Then we can design a cool layout, work on integrating more features/phone integration, etc.

[7:08]

That way we also have a framework product to show him immediately after break.

[7:08]

an iteration if you will lolol

----- March 28th -----

tom [5:36 AM]

<https://github.com/TGrossman90/Announcement-System>

<http://thedreamteam.me/index.php>

--Logins--

User: admin

Pass: password

User: student

Pass: password

I've left out email verification for now because that makes testing new accounts messier. Going to add it, test it, and comment it out.



I'm going back through and changing things here and there to either clean it up, make it simpler, make it more consistent in usage/naming, etc. so it's more readable.

GitHub

TGrossman90/Announcement-System

Announcement-System - An announcement system framework

[5:36]

<http://thedreamteam.me/phpmyadmin>

User: burningalpaca

Pass: cs4500

isuck [5:37 PM]

Awesome stuff. Can everyone (aside from tom) be on here Friday morning? I will get caught up from him today and coordinate amongst the rest of us for a couple of hours on Friday (preferably morning or afternoon).

----- March 30th -----

tom [2:21 AM]

Made a few tweaks and still working out a few bugs (that are mobile specific I think). Made it so it auto-scales to the size of your mobile device without overflowing the screen boundaries. I've kept everything as a static size for the PC variant so everything stays nicely proportioned.

Since I won't be around when you guys talk, I'm gonna layout my thoughts on everything:

Pretty much where we should go from here, IMO, is: We need to settle on a layout. We should keep it small -- for anyone familiar with HTML div's we should keep the entire page as a single <div> so we don't have to worry about different panels placing themselves in weird areas and making everything look (potentially) drastically different on different devices.

We should also keep it very simple yet sleek. Don't need to go overboard on super crazy designs that are going to slowdown load times. Just get that UMSL Music Dept logo they've got and use that as a header, a few buttons, and UMSL shit in the footer. The simpler we make the layout, the easier it is to navigate, and the more time we have to spend implementing cool features. We can always go back and make it flashier later once we have a usable product that satisfies the customers needs.

Once we settle on a basic design/layout, I can go through and take this framework and add it all together and continue the bug testing that I've already started.

Now, as far as the whole "we need to make this work within app environments on the android and iOS platforms." O

tom [2:37 AM]

I've been in contact with one of my best friends who is an iOS dev at Asynchrony. Once we get the design and everything implemented, I'm going to sit down with her and try to find the simplest way to implement push notifications on iOS. We're currently thinking that we can use either the (if anyones familiar with iOS dev on XCode) WKWebView or the SafariViewController to open the webapp within an app on an iOS device. From there, one possibility for push notifications is looking into using JSON to pass info from the app to a PHP API (would need to develop it) that queries the MySQL database and returns information back to the device. iOS has no native MySQL handling abilities so the API is going to be a necessity... but that shouldn't be too complicated since this is only basic queries we're dealing with.

As far as the Android side is concerned, I've got a few people I want to talk to about that but haven't had a chance yet. If anyone has done any Android development before and you've got any ideas... lets hear em.

So the TLDR;

1. Design a simple interface. Remember, this interface will need to be scaled to fit many different screen sizes, so the simpler and less cluttered it is the better.
2. Implement the existing framework into the new interface.
3. Continue bug testing.
4. Work on iOS/Android app implementation.
5. Explore push notifications
6. Start exploring new features (calendar, etc) and making things more fancy.

Also as a note: I've got a few things within this current framework that I'm going to be changing... such as how the system checks for permissions to view an announcement and then how the announcements are stored (I'm thinking of at the time of an announcement creation, create a SHA256 hash from some combo of the authors username, the time, and the date, and storing that as a field in the database. Then, when the user goes to read a message, the messages will be retrieved by the hash since it would be impossible to guess.

Also again, this is all my personal opinion for the direction to go. Just wanted to lay out my thoughts for everyone since I won't be here if you get together on Friday. If anything's unclear, let me know. I'll be checking at some point over the weekend when I've got some down time.

Hope break's going well for everyone.

----- March 31st -----

james [10:23 AM]

Sorry about the morning meeting thing Luke. I'm going to be busy until around 2pm today, Friday 31. We can phone chat for fast synch about prep for Tuesday.

isuck [11:11 AM]

No big deal I'll text you and we'll figure out a time for a call.

----- April 3rd -----

isuck [5:50 PM]

Don't forget our client meeting is tomorrow. James and I discussed our pitch, and will be collaborating on front end development, and documentation standards. Here is the tldr for the pitch tomorrow:

[5:50]

1: We will be pitching a web/webapp solution in order to cast the widest possible net for user base

[5:51]

2: I am bringing push/texting notification options to pitch/discuss tomorrow

[5:52]

3: We need to verify non-admin user involvement for front end

[5:53]

4: I have all the stuff from last years project. It's total dog shit and I don't imagine we will not be using any of it

[5:55]

5: We need to have a brief stand-up meeting before class tomorrow. Try to be 10ish minutes early. If you haven't talked to me yet and are unsure about what your responsibilities are, please contact me

isuck [6:04 PM]

6: Be familiar with what we have right now, and understand and take notes the requirements/ benefits / consequences of how we implement what we have now in to different interfaces. Please come prepared and have some good questions to ask or relay in case others in the group havent thought of something.

----- April 5th -----

tom [12:37 AM]

uploaded and commented on this image: burningAlpaca.png

1 Comment

No background -- it's transparent. Pastes into a word doc/PDF really cleanly

tom [12:37 AM]

uploaded and commented on this image: burningAlpaca2.png

1 Comment

Has a background

tom [12:38 AM]

uploaded and commented on this image: burningAlpaca3.png

1 Comment

Background version of the first one basically. The first one is inverted and this one is not. Fire image is a little different but same idea.

tom [12:39 AM]

I personally like the no background (first one) since it can be cleanly pasted into the memo.

[12:40]

Like this <https://gyazo.com/2395d84c88c0111e57952a6ea93daef1>

Gyazo (28kB)

isuck [12:30 PM]

Yep me too. Looks dope.

[12:31]

Also to James- I have the logos and background from client to include in interface. Get in touch with me tonight at some point I have some stuff I want to ask you about the SMS experiment

jameess [5:17 PM]

I'm hoping to have a board up and running by class tomorrow. The CS dept secretary didn't seem too cool about us storing the board anywhere there.

I'm in pretty good with AI at the math lab in ssb and he said we can keep the board there. This is cool because it will be accessible by any of us during math lab hours which are good. Also we can just meet there and go over the board anytime math lab is open. Luke knows what I'm talking about

tom [9:19 PM]

Discussion Time: Need to know how we want user registration to work.

[9:21]

I guess we need to know how he wants user registration to work. Does he want to allow anyone to register or does he want to go with admins having to authorize registration based on a list they control?

[9:22]

Honestly as this is just a matter of tweaking stuff that is already in place, I think we should talk to him next meeting about this and just focus on other stuff for now. We can just make some test users and groups and display how everything works in the meantime.

isuck [9:30 PM]

I agree. Not sure about how he wants to verify registration

tom [9:31 PM]

Also, on my server, I just made a user account that has root privileges for everyone to use.

tom [10:07 PM]

I made it mainly so you can upload and test php files and shit.

[10:07]

So, open your favorite FTP program and login.

[10:08]

(You have to use SFTP protocol)

HostName: thedreamteam.me

User: burningalpaca

Pass: cs4500

[10:08]

It defaults to the publichtml folder, so anything in there is accessible at  
thedreamteam.me/yourfilename

----- April 6th -----

isuck [6:08 PM]

mentioned this HTML snippet: Front

```
<html>

<head>

    <title>Mobile Number Texter</title>

</head>

<body>
```

Add Comment Click to expand inline 276 lines

isuck [6:08 PM]

mentioned this PHP snippet: Backside

```
<?php
```

```
// Edit these variables
```

```
$message = 'Cat Facts!'; // Message that you want to send. Keep it brief.
```

```
$from_name = 'John Doe'; // Will display as sender name
```

Add Comment Click to expand inline 405 lines

isuck [6:08 PM]

There are 2 files. The first file contains a form where you select your mobile carrier from a drop-down list, then you enter your mobile phone number into a text field and hit submit. This sends the data via POST to the second file which will use the carrier and number data to try to send a message using the SMS Gateway.

[6:09]

I believe that covers most relevant American and Canadian carriers as well. I guess we'll see if we have all the bases covered



----- April 7th -----

tom [12:53 AM]

Initial tests for the SMS notification system works. I'll demo it for you guys tomorrow.

----- April 10th -----

tom [2:33 PM]

So there was a bit of a hiccup with the system... the problem had nothing to do with the code, but instead the server everything was hosted on was messing up. I had to install a mail server to make the SMS system work, and something I did somewhere was wrong... I went back through and played with stuff (not really sure what all I was doing tbh lol) but now it works so i'm gonna just go with it.

[2:33]

<https://gyazo.com/a5de321fff78cc172270e1ece7af0633>

Gyazo (111kB)

[2:34]

Here's a screenshot of a message I sent. Note the time in the bottom right corner.

tom [2:38 PM]

uploaded this image: Slack for Android Upload

Add Comment

tom [2:39 PM]

And here is the text I received. Again, note the time.

tom [2:47 PM]

I'd love it if James and Ahsan could register accounts on the site so I can put all four of us into the same user group and then send a test announcement and make sure that everyone gets it.

ahsankhan [2:56 PM]

I tried to register but I don't think it worked

tom [2:57 PM]

ak7t7@mail.umsl.edu

[2:57]

it worked

ahsankhan [2:57 PM]

huh, I cant log in

[2:57]

and I didn't get a confirmation email

tom [2:57 PM]

i dont have the confirmation stuff working

ahsankhan [2:57 PM]

Oh ok

tom [2:58 PM]

I just sent one.

isuck [2:59 PM]

Got it.

ahsankhan [2:59 PM]

Me too

tom [2:59 PM]

cool.

ahsankhan [3:01 PM]

I started working on the calendar page today, and now that I've started it I don't think I'll be able to finish it for tomorrow. (edited)

[3:05]

The calendar will be showing planned events right, or will there be message scheduling? Like queuing up future announcements to be send and they will be shown too?

tom [3:08 PM]

As far as I know it will just be a calender of events. Which is why if it can just simply be implemented with Google calender, that's probably the best route. Saves the department from posting on 2 different calendars

isuck [3:13 PM]

Agreed

ahsankhan [3:35 PM]

So, I don't have to make our own calendar, just make a page with an embedded google calendar?

isuck [3:44 PM]

Yeah I would say so

ahsankhan [3:50 PM]

It looks like the embedded google calendar is just read only, you cant add events from the page its embedded in. Anyone have the link to the gCalendar they are using now?

tom [3:53 PM]

Nope, he didn't give it to me at the first meeting before break.

From the way he was talking, I don't think he needs to be able to post calender events in the app, but just having the calender in the app for display makes everything accessible together.

ahsankhan [3:53 PM]

Nevermind found it <http://music.umsl.edu/Calendar/index.html>

tom [3:54 PM]

One thing: for your page, steal the style.css pages I've got on the server and put the calender within a <div> tag like the one I've got on every page. It'll create the calender in a box like the rest of the pages then

ahsankhan [3:55 PM]

There's 3 styles. Just take the first one?

tom [3:55 PM]

Actually just take the entire top part of any page, from the <html> tag all the way to the opening <body> tag

[3:56]

style.css and style2.css

[3:56]

I can't remember if style2 actually does anything thi

ahsankhan [3:56 PM]

style2.css was empty last I checked

[3:56]

yea

tom [3:56 PM]

```
<!DOCTYPE HTML>
```

```
<html>
```

```
  <head>
```

```
    <title>UMSL MUSIC: Admin Control Panel</title>
```

```
    <link rel="stylesheet" href="style.css" type="text/css" />
```

```
    <link rel="stylesheet" href="styles2.css" type="text/css" />
```

```
    <meta name="viewport" content="width=device-width,height=device-height,initial-scale=0.9"/>
```

```
  </head>
```

```
  <body>
```

```
<div id="main">
```

[3:56]

Just paste that

[3:57]

and put the calendar after it.

[3:57]

I think style2 is supposed to be specific window sizes for specific devices but I hadn't figured it out yet so i got rid of it

tom [3:58 PM]

added this HTML snippet

```
<html>
```

```
<head>
```

```
<title>UMSL MUSIC: Admin Control Panel</title>
```

```
<link rel="stylesheet" href="style.css" type="text/css" />
```

```
<link rel="stylesheet" href="styles2.css" type="text/css" />
```

Add Comment Click to expand inline 9 lines

tom [3:58 PM]

There we go. That probably keeps formatting.

ahsankhan [4:06 PM]

uploaded and commented on this image: 2017-04-10 16\_04\_19-Greenshot.png

1 Comment

I don't think its doing that dynamic window size thing?

tom [4:12 PM]

It wont resize it to a fullscreen on a computer.

[4:12]

but we'll have to figure out a way to scale the calander within the div frame

ahsankhan [4:13 PM]

I actually think its a problem with the iframe. I'm going to try something with javascript.

[4:17]

Also, I see what you mean about the div, it doesn't resize in width only height.

ahsankhan [5:02 PM]

uploaded and commented on this image: Slack for Android Upload

1 Comment

I dont think embedded google calendar works on mobile that well.

ahsankhan [5:02 PM]

I got the resizing to work though

tom [5:03 PM]

Hmmm

ahsankhan [5:04 PM]

added and commented on this JavaScript/JSON snippet: cal.php

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>Events</title>
```

```
    <script>
```

1 Comment Click to expand inline 57 lines

Heres the code.

ahsankhan [5:11 PM]

uploaded and commented on this image: Demo

1 Comment

Heres a demo of that by the way

ahsankhan [5:12 PM]

So, we could use google calendar but It would look ugly and be unusable on mobile or browsers with weird dimensions.

tom [5:13 PM]

I'm looking at some stuff. If we can get him to log into Google with us, I think we can make different versions of it that will work on different sized devices.

ahsankhan [5:17 PM]



Different google calendars? To me it looks like the issue is with the size of the iframe itself. Maybe we could pull data from the calendar from some google api and draw our own in a html table. Then we could make look good in most resolutions. (edited)

tom [5:43 PM]

So, if you log into your own google calendar, you can basically create your own iframe with options in the settings.

[5:44]

You can pick what stuff shows up -- like what fields it uses and displays

[5:44]

but you can also make it specific sizes

[5:44]

so in theory, if you make multiple iframes of the same calendar, we can make the calendar load on different devices without looking funny

[5:45]

and we just store the iframes in a .css page that has different sections for different sized devices

[5:48]

<http://profromgo.com/blog/google-calendar-responsive/>

ProFromGo

How To Make An Embedded Google Calendar Responsive

How I made Google Calendar as responsive as it could be on a WordPress powered website. Complete with code and screenshots. (22kB)

July 31st, 2013 at 8:37 PM

[5:48]

It'd be like that.

----- April 12th -----

tom [3:26 PM]

Have we heard anything about the group status

isuck [3:31 PM]

Not yet

----- April 13th -----

ahsankhan [7:23 PM]

Oh man

[7:23]

I got the google calendar api to work

ahsankhan [7:29 PM]

uploaded this image: Pasted image at 2017-04-13, 7:29 PM

Add Comment

tom [8:39 PM]

Oh shit! Nice!

isuck [8:40 PM]

Sweeeeeet

tom [8:40 PM]

Luke, idk if you were there or paying attention, but Ahsan and I were talking about how it'd be cool if we could get the events for the week on a sunday, and text them out to everyone.

[8:40]

so making a script that executes once a week basically.

isuck [8:41 PM]

That would be cool. Wouldn't be hard to automate we'd just have to figure out how to fill it

tom [8:56 PM]

That's what ahsans screenshot shows.

[8:56]

So now we just need to take what he has, format it foe text friendly, and send

isuck [8:58 PM]

Can we auto fill that string into our SMS text output realively easily? Haven't looked at the calendar code

ahsankhan [8:59 PM]

It looks like the calendar data is returned in json

[8:59]

so if php can parse json, it should be easy

[9:00]

Or we can use the google object thing directly but I havent figured out its structure yet

isuck [9:10 PM]

Okay cool. I'll cut out some time this weekend to help you look in to it. Good work.

----- April 19th -----

tom [2:12 PM]

So, yesterday after class James and I sat in ESH for a while working on making the site look "app-y". Still working on it, but I think it's a good start. It's entirely CSS, so it loads between pages extremely quick. Need to add the logo and change the headers of each page, but i think the colors work well. Just took websafe versions of UMSL's red and gold lol.

I've added an optout function for the registration. If you register and opt out, you'll receive an email for account verification. If you don't opt out, you'll receive a text verification. You cannot log in until you verify the account.

If you optout, announcements will be sent to your email only. If you opt in, you'll receive text announcements.

I've added some stuff for user deletion and removing users from groups.

Need to make a User Control Panel, password reset, verification resend, and staff account creation features.

----- April 20th -----

isuck [1:24 PM]

uploaded this file

RE%3a\_Project\_update.zip

4MB

Zip

[Click to download](#)

[Add Comment](#)

isuck [1:24 PM]

those are the 2 pics he wanted integrated

----- April 25th -----

james [3:42 PM]

uploaded and commented on this file

groupp.docx

696kB

Word Document

[Click to download](#)

[1 Comment](#)

Hey Everybody. This is the docs file with updates mentioned in class. I didn't get the new user screen in yet.