Music Matters

Cycle 1 Report

Created By:
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Submitted in partial fulfillment of the requirements for COMP 4710 Senior Design to the Department of Computer Science and Software Engineering, Samuel Ginn College of Engineering, Auburn University

Auburn, Alabama
October 5, 2020

COMP 4710
Senior Design Project
Fall 2020
Group 1

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Executive Summary(System Metaphor)
Completed by Ford Luttrell

To design and create an application that allows users the ability to input musical artists' names, information, and performance venue into a calendar and sends out a report via email at the end of the month. This is essentially a booking system that sends invoices through email once a month.

Project Introduction and Cycle Intent
Completed by Ford Luttrell

Previous Development

During the architectural spike we focused on establishing an effective form of communication, loading data bases, and learning React Native. This proved to be difficult and time consuming because we had to study three semesters of work from three different teams.

Intent this Cycle

Our team's intent for this cycle is to open the month's calendar and autofill the daily performance dates. We also plan to find a way to enter artists' names into the calendar from an iphone and laptop as requested by our sponsor. We also intend to find a way to make the application produce a booking list from the template provided to us. In the previous architectural spike we focused on setting the database on all computers and loaded the application through github. After many meetings with our sponsor, he laid out a guideline for what he wants us to work on each week of the development process. Through this cycle we have followed his schedule and focused on meeting his new guidelines perfectly.

Design Decisions
Completed by Ford Luttrell

       Our sponsor requested that we add the finishing touches to an application that has been worked on for three semesters now. Before this application he was forced to input customers' information into a small calendar that proved to be very time consuming and strenuous to our sponsor. This application is a design to make booking easier and quicker for him. This will allow him to send all the information to his staff without having to do it individually like he normally does. On a daily basis he books musical artists for venues and is required to send out invoices once a month individually to said artists. This application will automatically create and send invoices to his customers, saving our sponsor a lot of time and work. He has given us several guidelines for what needs to be inputted in order to create the invoice and booking system. This information includes name, email, address, city, state, zip code, and time of performance. He wants individual text boxes for each of these categories so that he can easily go into the application and input the information at a moment's notice. This is where our program will store all the information and save it into a list and calendar. This calendar will allow our sponsor the ability to view individual dates and what performers are performing at what venues and at what time. Our sponsor requested that from the list we created he can quickly send an email invoice at the end of the month to all his performers. Our sponsor has an Iphone so he wanted us to be sure that this application would work for his phone for when he is on the go and unable to access a laptop. We also plan on making it available to him on his laptop because he was worried about his screen being "too small to read".

       As a group we decided the best way for us to communicate is through Groupme. We have had several Zoom meetings with one another and with our sponsor to make sure we have an understanding of exactly what our sponsor needs. In order for our group to have access to all parts of the application we were given the email and passwords to the app along with a github that was shared with all of us and our sponsor. We also work together through a shared Google Drive so that we can all work at the same time and correct each other. Google Drive will be very important through our design process and everything is shared through it.

       Our team was handed down code from previous semesters and we spent time going over and reading to be sure we fully understood what previous groups did before us. We will be programming on Visual Studio and we are collaborating through Github with past groups work and with one another. The past groups started the application by programming in React JS Language so we will be continuing in that. None of our group members have used this language so we have been researching, studying, and practicing this language so that we are capable of completing our sponsors request. We found that this language is pretty similar to past languages we studied, but we have had to learn a few things. The framework we are using is React Native which we had never used before so we also had to do a lot of research on that to fully understand what we were working with. Our sponsor is not familiar with any programming languages or how the process of applications work so he has given us free reign on the application development process as long as we meet certain guidelines. Since he doesn't know about the development process we have really relied on our contact

with past groups to understand where the code for this application was located and how to access it. This was very difficult at first, but we finally found a way to access the information with the help of several past students. We then ran into problems with passwords because our sponsor was unable to remember some of the passwords, but we found a way to reset them and begin accessing and working on the application. We now have new access codes and a github respiratory so that nothing will be lost and everything will be organized all in one place.

We will look to change a few things from past groups designs. We've also had several meetings with our sponsors and he has told us exactly what he wants and we are all on the same page in that regard. We will change the individual booking invoices for the app for the subject line so that it will send automatically with a subject to the customer. We will also focus on changing the daily confirmation email for the artist. He told us that he has run into problems with the subject line for both of those. The email works properly but our sponsor has to go in and individually put a subject for each email, which he does not want to do. We also need to fix the subject line for cancellation emails. Past groups were unable to figure out a way to fix these problems so we are going to find a way to make this work.

We also were given a list of problems that past groups had and were unable to fix before graduating the class. The application would generate some invoices, but wouldn't always send them to the right email address which needs to be changed immediately. He also wants holidays built into the calendar and college football games since he is an Auburn fan. This needs to be updated for the 2020 calendar year and needs to be updated since games were changed due to the Coronavirus. Our sponsor also wants when a venue is changed in the application that it will create a new folder in his google drive so that he can easily access it when he checks the drive.

User Stories

Completed by Zack Smith

Windows Version
User Story: As a user, I want to be able to use the app on my computer or a tablet as well as my phone. To make entering text and editing times easier.

Description: We want the app to be able to be downloaded and be used on larger screens such as computers or tablets.

Hours: Total Planned: 20 hrs
Planned this cycle: 10 hrs
Total Actual: 15 hrs
Actual this cycle: 15 hrs

Coder: none

Status: Planning and development

Working Prototype
User Story: As a developer, I want to present a working version of the app to the sponsor to get feedback.

Description: We want to create a working app for our user to be able to use and test in a real world environment.

Hours: Total Planned: 20 hrs
Planned this cycle: 15 hrs
Total Actual: 23 hrs
Actual this cycle: 22.5 hrs

Coder: Ford Luttrell, Jungpyo Hong

Testing: Ford Luttrell, Jungpyo Hong

Reviewers: entire team

Status: collaborative development

Readme Management
User Story: As a developer, I want accounts and passwords for accounts linked to the development of this app to be saved and accessible for the people that need them.

Description: When starting this project we had a really hard time getting passwords and account names together and spent a lot of time on it. Creating some sort of file to save this information or to have something in readme that explains how to get information will be needed.

Hours: Total Planned: 2 hrs
Planned this cycle: 2 hrs
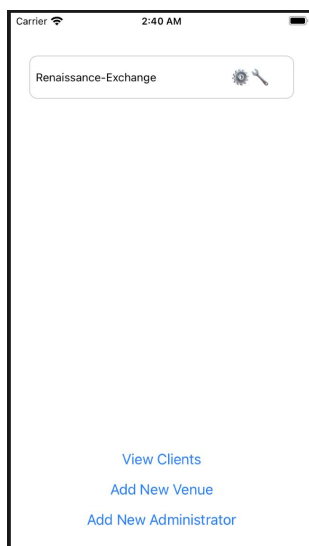Total Actual: 4 hrs
Actual this cycle: 4 hrs

Status: development
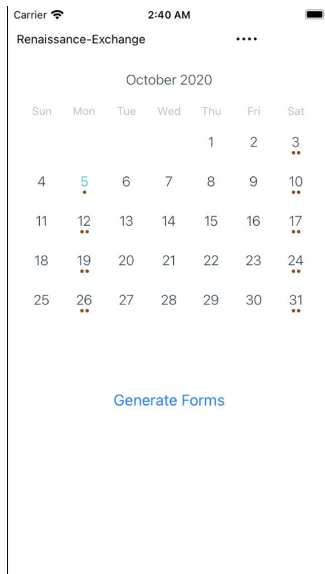
Design documentation

Completed by Jungpyo Hong
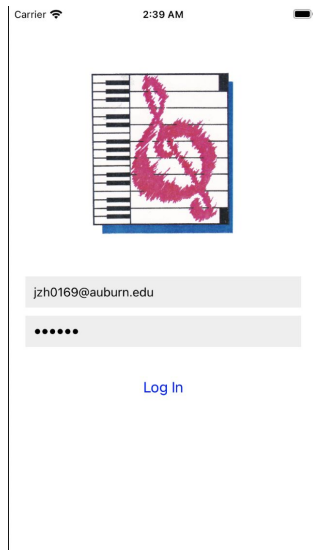
This is the login page that was created by the last groups. We didn't change anything for this cycle and further.


This is our main page(menu) and also edited by the previous group. This format will not change during the duration of this project.

This is the page when we click the venue option in the main menu. We plan to change the format of this calder to Vertex42 which the sponsor needed. Because our sponsor wants to work with this application through the computer so he said this format of calendar is hard to check his schedule. Therefore, we are planning to change this format in the next cycle. The format of calendar will looks like this,
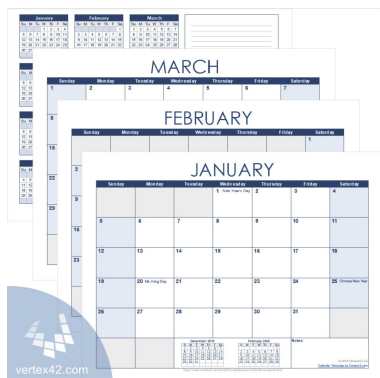
When a user clicks a certain day in the calendar, then the user can add the new events on a certain date.
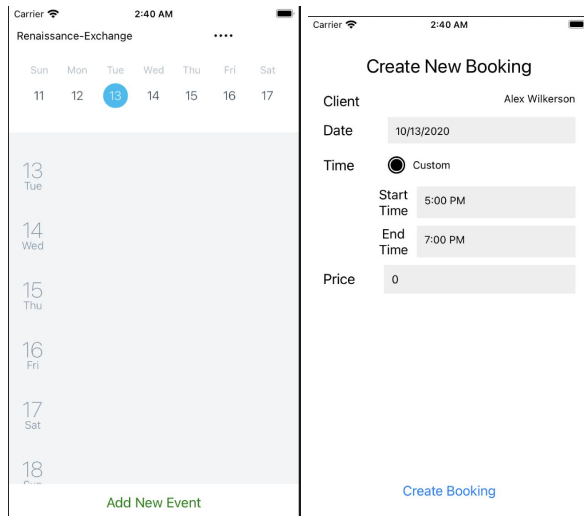
Second picture is the 'Add New Event' tap and the user can choose the client, date, time and price for a certain date. You can check how it looks like
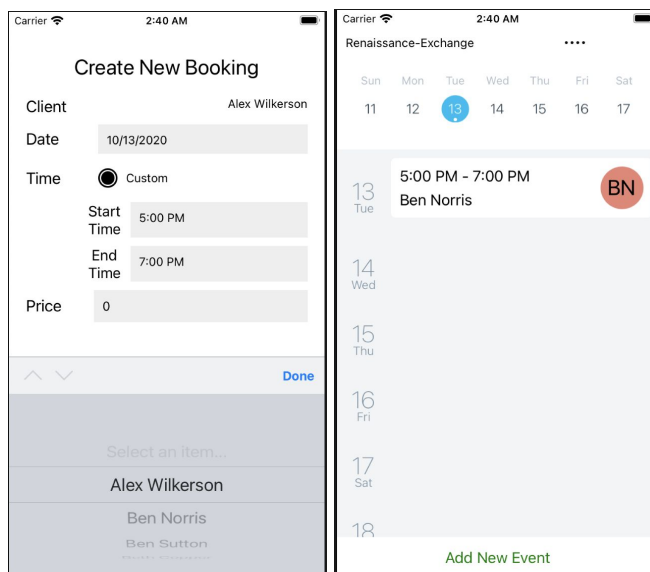
After clicking the create button, the user can see a schedule on the calendar. The most difficult part of this design was creating a grey box for the Client section like the date, start time, end time and price. These are contained in a grey box but clients are not. The client part used pickerbox styles so we could not find out how to add grey color on the background. Through a meeting, our client said this kind of design is not of big importance from our app, therefore we just left this client section as white background.

Management plan
Completed by Ford Luttrell

In this cycle, our team was focused on improving the calendar aspect of the Music Matters application. Our sponsor laid out his exact specifications for the calendar.

Task Assignments

Each team member worked as a group through the beginning of this project. We met in the lab and over zoom in order to make sure we were all on the same page. We also worked in group me and through google docs for the report and demonstration.

Development Schedule

We worked on the beginning test cases that Mike Moody gave us. He laid out a task for each week and it helped a lot with developing our work schedule.

Risk Mitigation
Completed by Zack Smith

We set up times to meet each week to go over our plans and progress with the entire team and sponsor to ensure progression. We have also set up a final meeting time with the sponsor to create a cushion for the final product to be created.

Testing plan
Completed by Zack Smith

We will create extensive user tests to run on the system to insure proper functionality. Then run tests on the running prototype with the sponsor to ensure that he is satisfied with functionality and look of said functions.

Lessons learned

Completed by Jungpyo Hong

As we went through our Cycle 1, our team learned three big things through this cycle. First is communication with other teammates, and also with client. Last time we learned why communication is important throughout our team. This cycle we learned communication with our sponsor Mike Moody is very important. He gave us a weekly calendar that proved to be very helpful and effective. Our client's needs kept changing throughout our zoom meetings, so we had to email him about what kind of formats he wanted. For this reason we took a lot of time changing the format of the calendar. The most important thing is that our communication between each team member is getting better so that we can cooperate more smoothly than last cycle.

The second thing we learned is React Native. As we mentioned before, we made the 'Add new events' button to work properly. To make this function, we had to work on the backend side of source code. For example "this.props.database.clients.map" is a source code which is getting client information from our database which is located in Firebase. We were faced with hard work to get into the database, but we got information from the previous team's source code so that we figured out how to deal with the database and our current source code.

The last thing we learned is version control Git. We are not familiar with using git with other collaborators. First time when someone was trying to push the works to the repository, then some push error occured from git because some other team member already pushed to the git repository. Now we have to pull it to our computer and push has worked properly. This kind of common issue occurs frequently, therefore we faced several issues and solved it. This kind of experience led us to learn how to deal with version control, especially Git.

Digital signature

Completed by Jungpyo Hong

NOTICE: This email originated from Gmail. Please report any phishing activity to phishing@auburn.edu.

Morning Dennis...Hope all's well on The Plains and you are staying safe and well...Glad to hear that things are moving right along...I'm free to meet with you or the team anytime that's good for you guys...Just let me know...Thanks..M

Appendix A

A.1 Status report

Completed by Jungpyo Hong

Cycle Report 1-1

Senior Design Status Report (Page 1)

Project Name:	Music Matters	
Team Members:	Ford Luttrell, Jungpyo Hong(Dennis), Zack Smith, Xunming Zhang	
Date:	2020.9.21	**Cycle:** Cycle 1 Status Report 1

System Metaphor: To design and create an application that allows users the ability to input musical artists' names, information, and performance venue into a calendar and sends out a report via email at the end of the month. This is essentially a booking system that sends invoices through email once a month.

Cycle Intent: Our team's intent for this cycle is to add the finishing touches to an already working application that is available through the app store. We plan to further develop the app, while focusing on the invoice emails that will be sent to staff members once a month. We intend to improve code already created and finish the last leg of this application's functionality.

		Planned			Actual		
#	User Story	Cycle planned for completion	Total planned hours	Planned hours this cycle	Status	Actual hours this cycle	Total hours
1	As a developer, I want to update the readme file to assist future developers.	3	12	12	In Review	2	2
2	As a developer, I want the text in the app to be the most concise and easiest phrasing for comprehension.	2	9	5	Collaboration	2	2
3	As a user, I would like preset time slots to be saved on the calendar for later use and to be shown every month.	1	15	15	Collaboration	9	9
4	As a developer, I want to present a working version of the app to the sponsor to get feedback.	3	15	3	In Review	3	3
5	As a user, I want holidays and football games to be already added to the calendar.	1	5	5	Collaboration	5	5
6	As a developer change normal callender format to squred callender format.	1	10	10	Collaboration	4	4
7	Create new event in certain venue(error fixing)	1	10	10	Completed	8	8
	Planned Total		76	60	**Actual Total**	33	33

Team Name: Music Matters

	User Stories				Planned	Actual										
					Planned hours this cycle	Refactor Hours		Process Hours		Customer Hours		Product Hours		Total Hours	
Member Name	Collab	Code	Test	Review		Week	Cycle	Week	Cycle	Week	Cycle	Week	Cycle	Week	Cycle
Ford Luttrell	Communicate,searching	2,3	6,7	1,4	20	3	3	7	7	2	2	0	0	12	12
Jungpyo Hong	error fixing, callender editing	1,2,3,5,6	6,7	1,4	20	8	8	4	4	2	2	3	3	17	17
Zack Smith	reviews	3	5	1,6,7	20	2	2	2	2	0	0	0	0	4	4
Xunming Zhang	x				20	0	0	0	0	0	0	0	0		0
				Totals	80	13	13	13	13	4	4	3	3	33	33

Accomplishments since last status report:

Since the last status report we have began fixing the calendar that our sponsor brought to our attention. He told us that he did not like the format so we have been trying to fix it to fit his new guidelines. We have also met with our sponsor several times on zoom and are not fully able to access system on all platforms. We have a meeting planned for this Wednesday to begin working on the new email format that he wants implemented into the program.

Obstacles encountered since last status report:

We encountered obstacles with the email and subject line and have been watching videos to learn the proper way to fix this. We also had obstacles with one of our group members being sick and in China so that has been a problem. We are trying to find an efficient way to make this work for everyone.

Risks facing the project:

Our risks facing this project is that we are having some problems with getting the emails to send correctly so that is going to be a difficult fix.

Objectives for the next week:

We have a meeting planned on Wednesday with the entire group in person to plan the next week. We will continue to work on the users email and invoice. He has had problems with the subject lines of emails, so we need to fix that. We alsso need to fix the email format to match his template.

Notes:

1) Will the app, on the 1st of each month, open that month's calendar and autofill the daily performance dates ??

2) Can artist names be entered into that month's calendar from my iphone and/or from my computer ??

3) Once a calendar's month's bookings are complete, will the app produce a

Cycle Report 1-2

Project Name:	Music Matters			
Team Members:	Ford Luttrell, Jungpyo Hong(Dennis), Zack Smith, Xunming Zhang			
Date:	2020.9.29	Cycle:	Cycle 1 Status Report 2	

System Metaphor:	To design and create an application that allows users the ability to input musical artists' names, information, and performance venue into a calendar and sends out a report via email at the end of the month. This is essentially a booking system that sends invoices through email once a month.
Cycle Intent:	Our team's intent for this cycle is to add the finishing touches to an already working application that is available through the app store. We plan to further develop the app, while focusing on the invoice emails that will be sent to staff members once a month. We intend to improve code already created and finish the last leg of this application's functionality.

		Planned			Actual		
#	User Story	Cycle planned for completion	Total planned hours	Planned hours this cycle	Status	Actual hours this cycle	Total hours
1	As a developer,change the format of calender	1	15	15	In Review	10	10
2	As a user, I want to choose client in create new event tap	1	10	10	Completed	15	15
3	As a user, I would like to use our application in personal laptop or smartphone	1	10	10	Collaboration	9	9
4	As a developer, finished installing the project	1	5	5	Completed	3	3
5	As a user, I want holidays and football games to be already added to the calendar.	1	5	5	Collaboration	1	1
6	Physical meeting with team mate	1	3	3	Completed	6	6
		Planned Total	48	48	**Actual Total**	44	44

Team Name:	Music Matters

	User Stories				Planned	Actual										
					Planned hours this cycle	Refactor Hours		Process Hours		Customer Hours		Product Hours		Total Hours	
Member Name	Collab	Code	Test	Review		Week	Cycle	Week	Cycle	Week	Cycle	Week	Cycle	Week	Cycle
Ford Luttrell	Communicate,searching	5	2,5	1,6	16	3	3	6	6	2	2	0	0	11	11
Jungpyo Hong	chose client in create new events, callender format editing	1,2,3	2,3	1,2,6	16	10	10	10	10	2	2	3	3	25	25
Zack Smith	installing	4	2	1,6	16	3	3	3	3	2	2	0	0	8	8
Xunming Zhang	x				x	0	0	0	0	0	0	0	0		0
				Totals	48	16	16	19	19	6	6	3	3	44	44

Accomplishments since last status report:

1. Finish create selecting client for create new event tap. 2. Find out how to deploy the application to client so that we plan to show to client that how to install the current application and use. 3. Change format of calender. We takes time to find out various calender model in react native and we failed to findout and create new format so that in zoom meeting we will discuss about this with client.

Objectives for the next week:

We have plan Zoom meeting with client on Thursday and also physical meeting with team mate. Also in this week we finished " Can artist names be entered into that month's calendar from my iphone and/or from my computer ??" this user story so that we are work on "Will the app, on the 1st of each month, open that month's calendar and autofill the daily performance dates ??"

Obstacles encountered since last status report:

we encountered how to change the format of calender since last status report.

Notes:

1) Will the app, on the 1st of each month, open that month's calendar and autofill the daily performance dates ??

2) Can artist names be entered into that month's calendar from my iphone and/or from my computer ??

3) Once a calendar's month's bookings are complete, will the app produce a booking

Risks facing the project:

Our risks facing this project is that we are having some problems with getting the emails to send correctly so that is going to be a difficult fix.

A.2 Meeting Minutes

Completed by Jungpyo Hong

09/17/2020
- Meeting with client
- Discuss about user stories(Formatting the calendar and how to use application in personal smartphone)

Total Hours : 2

09/17/2020
- Dennis Hong, Zack Smith, Ford Luttrell met in lab and discuss about how we change the format of calendar

Total Hours : 2

09/21/2020
- Physical meeting in Shelby Lab.
- Find out some format of calendar and talking about some coding problems that we have

Total Hours : 2

09/18/2020
- First meeting with Sponsor via zoom
- Get information about previous group member
- Contact one of previous group member to get source code
- Get firebase ID from sponsor
- trying to start code in personal computer

Total Hours : 3

09/21/2020
- Zoom meeting with sponsor
- Get corrected firebase ID and password from sponsor
- Get new user stories from client

Total Hours : 2

10/2/2020
- Zoom meeting with sponsor
- Our client wants to use Vertex42 as a calendar, therefore we are finding out how we make it.

Total Hours : 3

10/03/2020

- Start writing our report for cycle 1
- Shared our writing through google doc

Total Hours : 3

10/04/2020

- Finished writing our report for cycle 1
- Shared our writing through google doc and presentation
- Made presentation for each part based on cycle 1 writing

Total Hours : 6

A.3 Correspondence

Completed by Xumming Zhang

[EXTERNAL]Team 3-info...

MM **Music Matters <musicmattersbookings@gmail.com>**   Tuesday, September
To: Music Matters; **Cc:** Ford Luttrell; Dennis Hong; Zack Smith; Xunming Zhang ⌄

NOTICE: This email originated from Gmail. Please report any phishing activity to phishing@auburn.edu.
Travis Harbin
tah0041@auburn.edu
256-783-6071
Tyler Guess
jtg0040@auburn.edu
205-478-5730
Graham Burkett
rgb0019@auburn.edu
256-426-5883
Shane Baacke
smb0104@auburn.edu
205-936-1648

[EXTERNAL]Database...

MM **Music Matters <musicmattersbookings@gmail.com>**   Tuesday, September 1, 2020 at 12:36 AM
To: Music Matters; **Cc:** Ford Luttrell; Dennis Hong; Zack Smith; Xunming Zhang ⌄

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drive.google.com

[EXTERNAL]Marching Orders...

MM **Music Matters <musicmattersbookings@gmail.com>**   Sunday, September 6,
To: Music Matters; **Cc:** Ford Luttrell; Dennis Hong; Xunming Zhang; Zack Smith ⌄

NOTICE: This email originated from Gmail. Please report any phishing activity to phishing@auburn.edu.
**Morning Gentlemen...Good 2nd Zoom meeting Friday !!....You have a list of boxes from Dr. Kai and the class project side of this
have the dual track of what the (my) objectives are with this project...**

**You have all of the info from the previous three teams and I hope and that should help but I don't want you to have to reinvent t
and lose valuable time there...**

**You now have access to the database and the Apple developer program...I would think that you need to locate and review the lis
Team 3 with the issues that I had seen at that point and at the end of their semester...**

**I'm going to follow this email with things I think might help...Probably most of this are also in my specs and attachments but he
again...Let me know how else I can help...**

**I think we will give your team the nickname CBT4
(Chain & Brakes-Team 4)...Go get um...War Eagle !!...**

[EXTERNAL]App Page Layout Graphics...

MM **Music Matters** <musicmattersbookings@gmail.com>

To: Music Matters; **Cc:** Ford Luttrell; Dennis Hong; Xunming Zhang; Zack Smith ⌄

Sunday, September 6, 2020 at 10:56 PM

| Music Matters Logo... 815.2 KB ⌄ | musicmattersbookin... 4.2 MB ⌄ | musicmattersbookin... 4.1 MB ⌄ |
| musicmattersbookin... 4.8 MB ⌄ | musicmattersbookin... 4.7 MB ⌄ | |

📎 **Hide Attachments**   ⬇ **Download All**   👁 **Preview All**

[EXTERNAL]Ask Yourself...

MM **Music Matters** <musicmattersbookings@gmail.com>

To: Music Matters; **Cc:** Ford Luttrell; Dennis Hong; Xunming Zhang; Zack Smith ⌄

Sunday, September 6, 2020 at 11:38 PM

1) Will the app, on the 1st of each month, open that month's calendar and autofill the daily performance dates ??

2) Can artist names be entered into that month's calendar from my iphone and/or from my computer ??

3) Once a calendar's month's bookings are complete, will the app produce a booking list document per the booking list template provided ??

4) Will the app produce the two necessary emails, on the 10th of the month, one with that month's calendar and another with that month's booking list, with the email subject lines populated (see templates) and those documents attached to each respective email ??

5) Will the app produce an invoice document for each artist each month and a related artist confirmation document (see templates) and then produce an email for each invoice and artist confirmation, with the email subject lines populated (see templates) and those documents attached to each respective email and each email properly addressed and ready to send out on the 20th of each month ??

[EXTERNAL]Fwd: Publicly Accessible Google API Key for Music Matters (id: music-matters-229420)

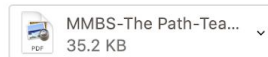**MM**   **Music Matters <musicmattersbookings@gmail.com>**   Wednesday, September 9, 2020 at 6:47 A

     To: Music Matters;   **Cc:**   Ford Luttrell;   Dennis Hong;   Xunming Zhang;   Zack Smith   ⌄

---------- Forwarded message ---------
From: <noreply+google-cloud-compliance@google.com>
Date: Tue, Sep 8, 2020 at 12:52 PM
Subject: Publicly Accessible Google API Key for Music Matters (id: music-matters-229420)
To: <musicmattersbookings@gmail.com>

Google Cloud Platform   MY CONSOLE

ⓘ Suspicious Activity Alert

Publicly accessible Google API key for Google Cloud Platform project Music Matters (id: music-matters-229420)

Dear Customer,

We have detected a publicly accessible Google API key associated with the following Google Cloud Platform

[EXTERNAL]Fwd: [IMPORTANT: Reminder] Upcoming deprecation of legacy GCE and GKE metadata server endpoints

MM   **Music Matters <musicmattersbookings@gmail.com>**   Saturday, September 12, 2020 at 9:30 PM

     To: Ford Luttrell;   Dennis Hong;   Xunming Zhang;   Zack Smith

📊   attachment.csv
      0.3 KB   ⌄

☁ Download All   👁 Preview All

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---------- Forwarded message ---------
From: **Google Cloud Platform** <cloud-proactive-comms+a2a2e99da84589fbdcc2cc1a629a2c49@google.com>
Date: Sat, Sep 12, 2020 at 3:07 AM
Subject: [IMPORTANT: Reminder] Upcoming deprecation of legacy GCE and GKE metadata server endpoints
To: <musicmattersbookings@gmail.com>

Google Cloud Platform   MY CONSOLE

Hello Google Cloud customer,

Our records show that you own projects with App Engine applications or Cloud Functions that are still calling the
pre-GA v0.1 and v1beta1 endpoints of the App Engine and Cloud Functions metadata server. After September

[EXTERNAL]Fwd: Senior Design Project-Team 4 - Fall 2020

MM **Music Matters <musicmattersbookings@gmail.com>**   Wednesday, September 23, 2020 at 6:51 AM

To: Music Matters;   **Cc:**   Ford Luttrell;   Dennis Hong;   Xunming Zhang;   Zack Smith   ⌄

📄 Exchange Calendar-... ⌄ 31.7 KB	🖼️ Exchange Calendar-... ⌄ 1.8 MB	📄 Exchange Booking Li... ⌄ 26.1 KB
📄 Exchange Booking Li... ⌄ 37 KB	📄 Exchange Booking In... ⌄ 28.7 KB	📄 Exchange Booking In... ⌄ 42.5 KB
📄 Exchange Booking In... ⌄ 42.9 KB	📄 Exchange-Artist Con... ⌄ 34.1 KB	📄 Exchange Artist Con... ⌄ 45.1 KB
📄 Exchange Artist Con... ⌄ 45.1 KB	🖼️ musicmattersbookin... ⌄ 4.2 MB	🖼️ musicmattersbookin... ⌄ 4.7 MB
🖼️ musicmattersbookin... ⌄ 4.1 MB	🖼️ musicmattersbookin... ⌄ 4.8 MB	📄 musicmattersbookin... ⌄ 31.2 KB
📄 musicmattersbookin... ⌄ 27.8 KB		

---------- Forwarded message ---------
From: **Music Matters** <musicmattersbookings@gmail.com>
Date: Mon, May 18, 2020 at 9:31 AM
Subject: Senior Design Project-Team 4 - Fall 2020
To: Music Matters <musicmattersbookings@gmail.com>
Cc: Kai Chang <changka@auburn.edu>

Morning Kai...Hope you and yours are staying safe and well on The Plains...Sounds like you might be back in business for the Fall Semester hey....

[EXTERNAL]The Path...

MM **Music Matters <musicmattersbookings@gmail.com>**   Wednesday, September 23, 2020 at 11:28 PM

To: Music Matters;   **Cc:**   Ford Luttrell;   Dennis Hong;   Xunming Zhang;   Zack Smith   ⌄

📄 MMBS-The Path-Tea... ⌄ 35.2 KB

⬇ **Download All**   👁 **Preview All**

A.4 Source Code

Completed by Xumming Zhang

🔒 github.com/jphong1111/Senior_Project

📁	.expo	commit#0908_add api key	27 days ago
📁	assets	Initial Commit	last month
📁	components	Initial Commit	last month
📁	docs	Initial Commit	last month
📁	functions	Initial Commit	last month
📁	views	commit#0908_add api key	27 days ago
📄	.DS_Store	Initial Commit	last month
📄	.eslintrc.json	commit#0908_add api key	27 days ago
📄	.firebaserc	Initial Commit	last month
📄	.gitignore	Initial Commit	last month
📄	App.js	commit#0908_add api key	27 days ago
📄	Database.js	Initial Commit	last month
📄	_firebaserc	Initial Commit	last month
📄	app.json	Initial Commit	last month
📄	babel.config.js	Initial Commit	last month
📄	firebase.json	Initial Commit	last month
📄	objects.js	Initial Commit	last month

📄	.DS_Store	Initial Commit	last month
📄	.eslintrc.json	commit#0908_add api key	27 days ago
📄	.firebaserc	Initial Commit	last month
📄	.gitignore	Initial Commit	last month
📄	App.js	commit#0908_add api key	27 days ago
📄	Database.js	Initial Commit	last month
📄	_firebaserc	Initial Commit	last month
📄	app.json	Initial Commit	last month
📄	babel.config.js	Initial Commit	last month
📄	firebase.json	Initial Commit	last month
📄	objects.js	Initial Commit	last month
📄	package-lock.json	commit#0908_add api key	27 days ago
📄	package.json	commit#0908_add api key	27 days ago
📄	readme.md	Update readme.md	last month
📄	styles.js	Initial Commit	last month
📄	util.js	Initial Commit	last month