1. Continue communication with the school of music

RE: Possible help from the Music department

MJ	Merani, Jowaki			Reply	Reply All	Forward		
	To Johnson, Christopher M.					Fri 11/4/2022 12:05 PM		

Hello Professor,

I thought id follow up on my previous email.

looking forward to hearing from you!

Thanks & Regards,
Jowaki

From: Merani, Jowaki
Sent: Wednesday, October 19, 2022 1:20 PM
To: Johnson, Christopher M. <cmj@ku.edu>
Subject: Possible help from the Music department

Hello Professor Christopher,

I am a Senior at the University of Kansas with a Major in Computer Science. For my capstone project my group and I are working on developing an application to record your journals and provide a soothing music to help meditate. It is essentially an application that helps improve your mental health.

I came across your email on the KU music department website, and I read that you hold lectures in Music theory and your research is in psychology of music. This lead me to believe you were the best person to reach out to.

I was wondering if there was a possibility that my group and I could collaborate with the music department at KU to get some un-copyrighted music

To continue to communicate with the School of Music, we tried to reach out to other professors as the previous professor never got back to us. We searched the School of Music's homepage for other potential professors as seen in the email below. We are still waiting to hear back and if we do not receive a reply, we will try to explore other options.

Possible help from the Music department

MJ Merani, Jowaki
      To Bergee, Martin J

↩ Reply   ↩ Reply All   → Forward

Fri 11/4/2022 12:11 PM

Hello Professor,

I am a Senior at the University of Kansas with a Major in Computer Science. For my capstone project my group and I are working on developing an application to record your journals and provide a soothing music to help meditate. It is essentially an application that helps improve your mental health.

I came across your email on the KU music department website, and I read that you hold lectures in Music theory. This led me to believe you were the best person to reach out to.

I was wondering if there was a possibility that my group and I could collaborate with the music department at KU (professors or willing students) to get some un-copyrighted music that we could use in our application.

I am hopping you would be able to help me with this or maybe direct me to someone who would be able to help me. If you need more details about our application and our development timeline, I would be happy to provide that to you as well. If you believe you would like to set up a meeting, to understand our project better I would be open to that too.

Looking forward to hearing from you!

Thanks & Regards,
Jowaki Merani

2. Communicate with Dr Johnson regarding any possible compensation for the music department

As a form of compensation, we decided to ask Dr. Johnson if the School of Engineering could potentially provide us with monetary compensation that we could potentially give to people who are willing to help us produce the music for our application. The email sent out is as below. However, we are still hoping to hear back from Dr. Johnson

EECS 581 - Possible compensation for the Music department

MJ Merani, Jowaki
      To Johnson, David Orville

↩ Reply   ↩ Reply All   → Forward

Fri 11/4/2022 12:17 PM

Hello Dr Johnson,

My grp and I (Team 13) were looking to collaborate with the music department to get some un copyrighted music.
We were wondering if there was some compensation or incentive, we could provide the music department to collaborate with us.

Thanks & Regards,
Jowaki

3. Continue communication with CAPS

As per our agreement with CAPS, we will send them our progress for each Sprint. This way we can show them what we are doing with each sprint so that they are able to properly monitor us and ensure that we stick to their guidelines. Besides that, this way they can also provide us with ideas that they might potentially want to see with the application or if they would like for us to change anything.

4. Connecting dart to mongodb

Connecting Dart to MongoDB was definitely a challenge as we had to do a lot of research on how to do so and cross reference multiple sources as each program is unique in its own way. Upon watching multiple tutorials, we were able to figure out exactly how to complete this requirement. This required using URLS from the MongoDB website and individual collection names to connect to specific tables.

```
* KNOWN FAULT - None
*/

const MONGO_URL = "mongodb+srv://jjep2022:Capstone2022@mindlycapstone.pqp946b.mongodb.net/SignUp?retryWrites=true&w=majority";
const COLLECTION_NAME = "UserInfo";

const MONGO_URL2 = "mongodb+srv://jjep2022:Capstone2022@mindlycapstone.pqp946b.mongodb.net/Journal?retryWrites=true&w=majority";
const COLLECTION_NAME2 = "Entry";
```

Along with this, our main code also needed tweaking to support sending data to the database.

5. Create a prototype homepage

Before implementing the homepage for the database, we decided to create a prototype as a form of guideline to ensure that we do not implement something that is not user friendly. This way, we can also ensure that we know exactly how we want the homepage to look like instead of doing trial and errors and spending more time fixing UI issues. The prototype we came up with is as below:
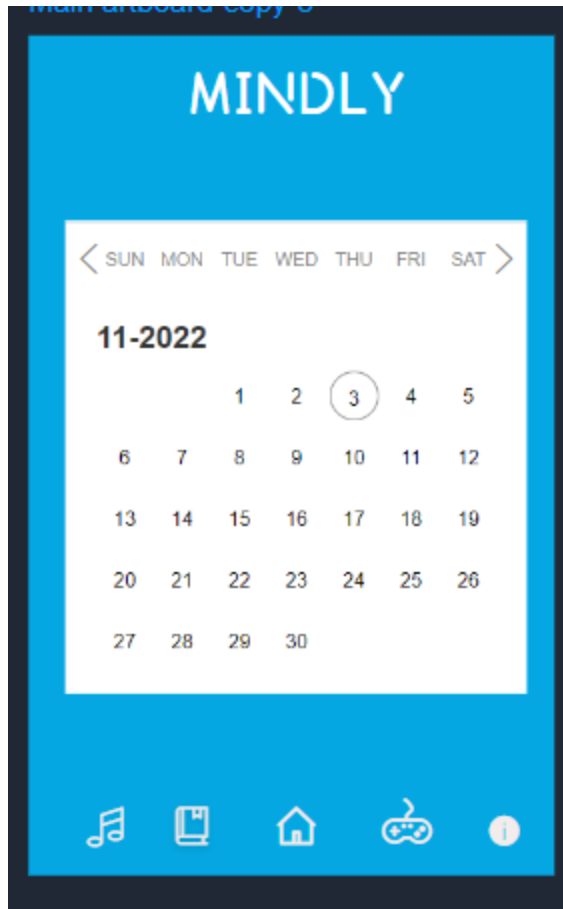
6. Generate button as a redirect to tapping game, journal page and homepage

As for the redirect buttons, we created small icons at the bottom of the homepage that upon clicking takes users to the respective pages. Upon clicking the homepage icon, the application simply stays on the main calendar page whereas clicking on the journal icon will take users to a journal page where they are able to type how they feel.

7. Create animation icons for redirects to new pages

This required a lot of time and effort to complete as first we needed to find appropriate images that correspond to what we need. Then we had to ensure that the size of the icons were good for our homepage. This required a lot of trial and error as the dimensions of the images had to match up to the rest of the homepage but also had to be the same size compared to the rest of the icons. The icons we ended up creating were as below:
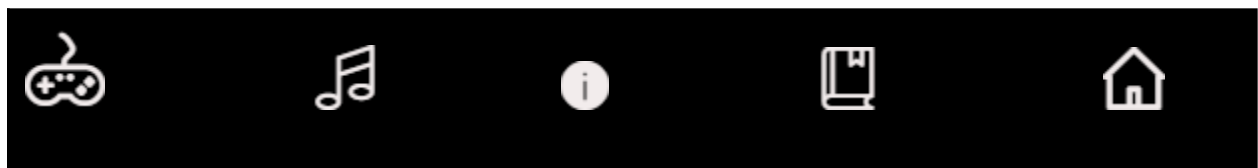
8. Text box for journal entry - back end

This required us to link the front end to the back end. As mentioned in Requirement 4, This meant that we needed to create a separate MONGO_URL, and collection name for the journal so that we can store user information in the database. This also required us to tweak the already existing frontend code to make it compatible with this transfer of data

9. Continue Video creation

For the video creation we just finished filming all our individual parts of the video, ensuring that it met all of the requirements that was stated in the rubric. Upon doing so, we compiled the video and submitted it.

10. Implement calendar - frontend

This was also a very difficult task, as we had to do a lot of research to find the calendar that we were looking for as there are many online but none were the one that we were looking for. Upon finding one that was good for our application, we ran into multiple errors that required time for us to fix. However, upon doing so, we were able to complete this requirement and produce the right calendar