Team Chikorita

Alex Aberman – ama4tf

Joshua Angeley – jda5dp

Patrick McGee – pjm5gk

RainyDay

Pitch:

Have you ever checked the weather and realized it was raining, then wondered what to do with your miserable existence of a day? Well fret not! Thanks to RainyDay, you'll never face indecision in your life again\*. Simply start up the app then turn on GPS or if you're worried about the NSA knowing where you are, just input the city you're in, then press “Update Weather”. Instantly you'll be notified the application is finding out the very information you couldn't discover unless you stepped outside. Just press the button one more time and the application will tell you the 5 day forecast and light up your fortunately attached light strip with blue and white for rain or clouds and bright orange for sun. But there's more! If the weather doesn't look too bright, RainyDay will tell you available movies running using RottenTomatoes helpful API, so you can avoid the rain and support your local theater. Have any questions? Forget them and embrace the present!

\*No guarantee of resolving your existential crises

Key Features:

* GPS integration
* OpenWeatherMap for the 5 day forecast
* RottenTomatoes calls for currently running shows
* Magic

Basic Instructions for Usage:

1. Power up the app
2. Select the IP Address input text and change it to the ip you want
3. Turn on GPS or enter the city you want to learn about
4. Press “Update Weather”
5. Wait 5 seconds for processing
6. Press “Update Weather” again
7. Be dazzled by beautiful icons, helpful numbers, and sweet movie recommendations
8. Faint from sheer splendor

How we use the lights:

The lights will shine blue and white if it's raining. They used to flash, but due to the limitations of using the regular python code, the flash looked less like a cool streaming effect and more like a rave in slow motion, so we disabled the flashing. When it's sunny the lights are orange like the sun, because we're original.

How we use the sensors:

We use the GPS to figure out where the user is if they want us to know.

What our third party web service is and how we use it:

We use OpenWeatherMap to get the weather data for the next 5 days. We were going to use Yelp however there is some issue with our tablet in that all Yelp calls had a timecode 18 seconds off from Yelp's clock, so it refused to handle any of our requests. We switched to using RottenTomatoes for current movies being screened since nothing goes together better than movies and rainy days. Except maybe umbrellas and rainy days.

Any special info you need to run the app:

Make sure Google Play Services is enabled on your device before trying to use the GPS

Links to APK: