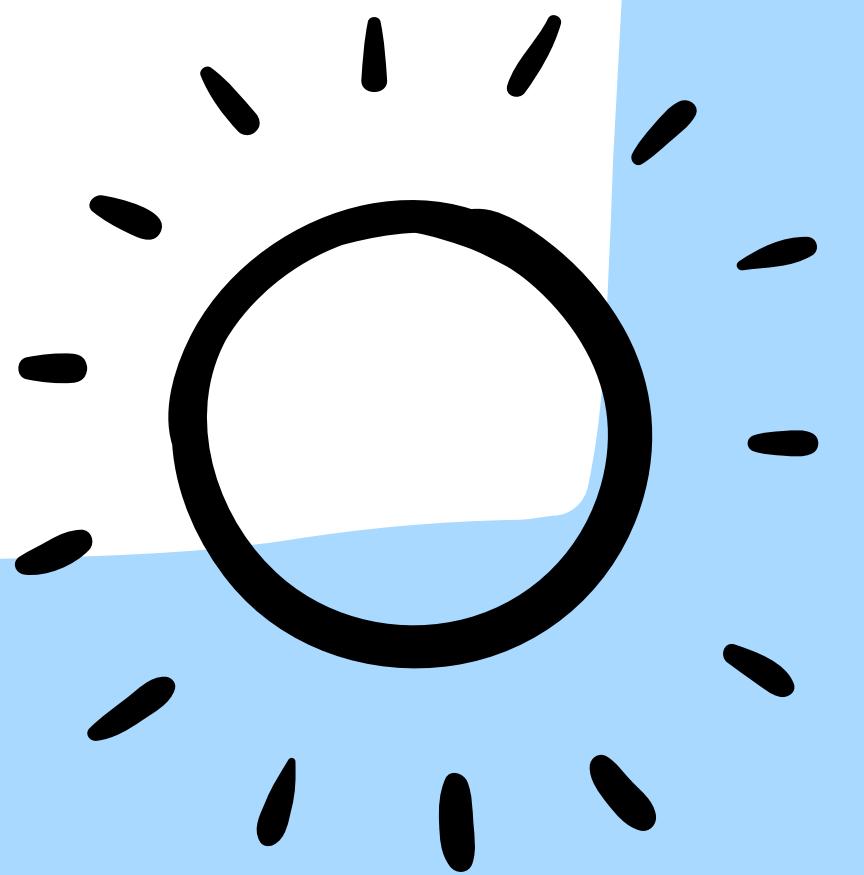


# CLOUD TUNES



# WHAT IS CLOUDTUNES?

CloudTunes is a new weather platform that utilises location data to turn rain or shine into music. We wanted to add a bit more excitement to checking the weather every day - in a way that makes something beautiful, even when the weather's grey!

# OUR FRAMEWORK

The app utilises a fully **python-based** back-end, a private database built with **SQLAlchemy** and our front-end is built with **flask/jinja**. Our key API's include the geolocation API (getgeoapi), the OpenWeather API and most importantly, we chose Spotify as our music API.

# OUR AIMS

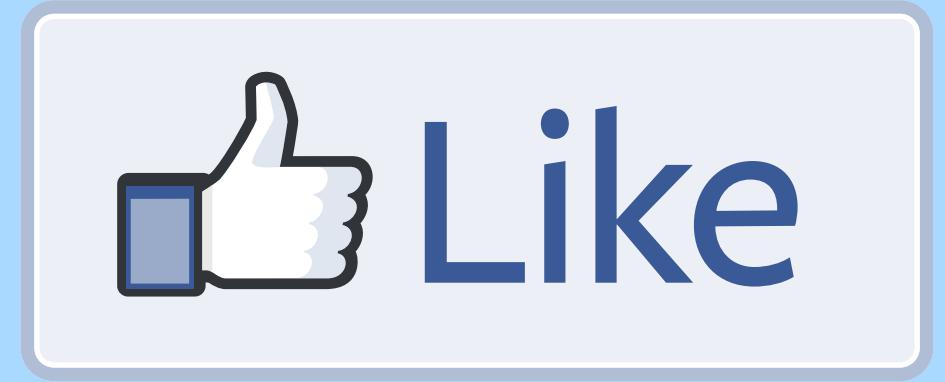
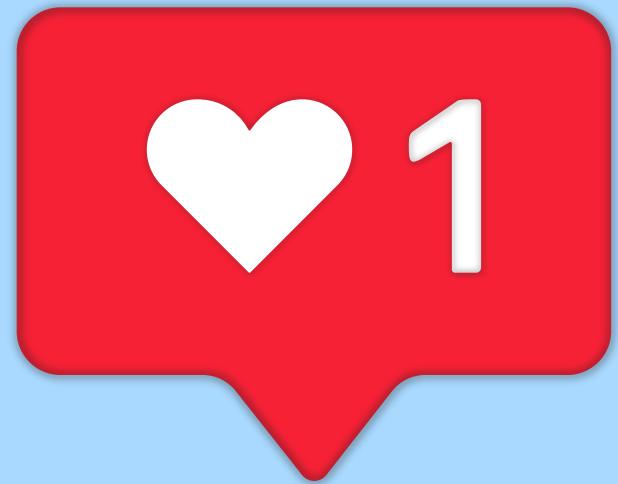
- The system should be user friendly with a minimalist design.
- It should showcase key data centrally - such as location and local weather.
- Permission secured to access user Spotify information.
- An embedded music player for ease of use.

# OUR AIMS

- Responsive design - suitable for all device screens.
- Registration / log-in options for data security + the potential for mailchimp features in the future.
- Song filtration to remove explicit content - making it suitable for younger audiences.
- Freemium API's enabled us to make this content completely free to use and access.

# FUTURE DEVELOPMENTS

- Accessibility features: considerations for visually impaired users, light/dark mode.
- Currently, we can cater to +1500 users, the average for a new website. If this were to grow, we would need to reconsider our third-party component integration.
- At this phase of the project, we elected not to do a saturation test - which would benefit us in the future to ascertain how many users we could feasibly cater to.



WE HOPE YOU  
LOVE IT AS  
MUCH AS WE DO!

