App: Radio: Phase #1

Date: April 11th, 2023
Domain: https://radio.brickmmo.com
GitHub: https://github.com/codeadamca/brickmmo-radio
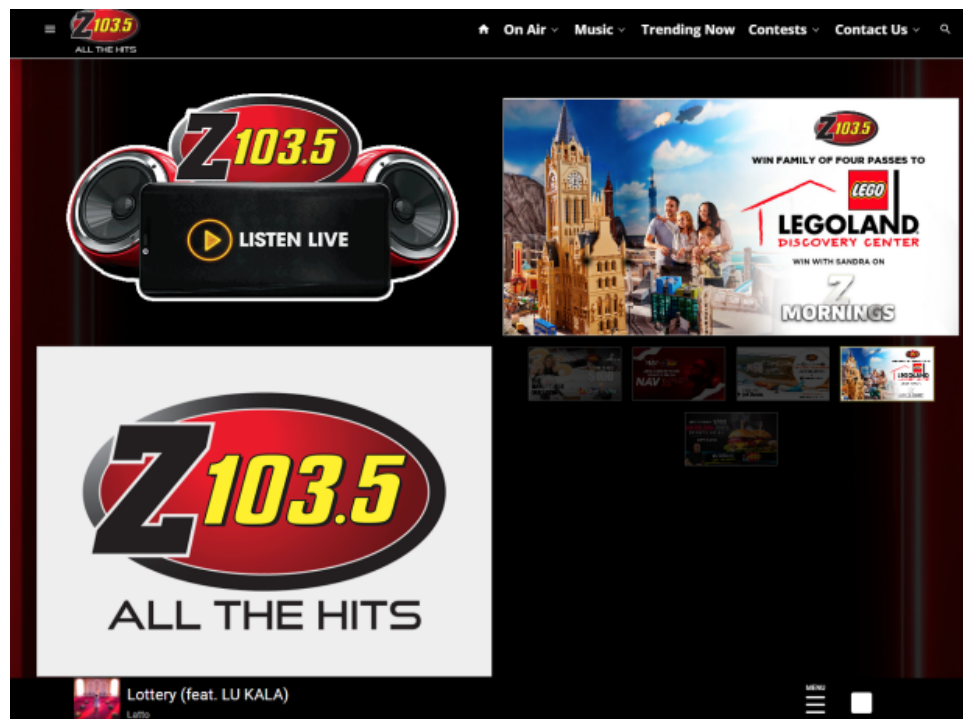
Application Purpose:

The goal of this project is to create a 24/7 Ai-driven Web-based radio broadcast based on the BrickMMO Lego city. The radio station will stream its content to a web interface, where anyone can visit it from their browser, and listen to an AI voice read news stories, weather, and other happenings around a fictional city.

Current Radio website with "listen live" and live player

The radio broadcast will have many of the features of a current real-world radio station, in that it will support segments. This could include music, games, contests, and even audience interaction. Listeners would be able to interact with these segments through the website (take part in polls, play games, etc).

As a developer, this application will focus on showcasing the ability of generative AI models and how they can be used in tandem to create engaging content. It will also highlight my familiarity with technology such as CMS development, database security, and API integration.

Front-End:

Front end facing application will include the following features:

- A website to listen to the ongoing radio station
- Could include closed captions

Back-End:

Application will include a control panel to achieve the following:

- Login to control panel
- Manage radio show commentary
- Add, edit, and delete show segments

API:

Application API will include the following API calls:

Method	Endpoint	Description

There are no API requirements at this point.