# Covey Radio

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> 01 **Project Description**

Covey.Town includes various ways to interact the environment as well as with other players, as games, conversation areas, and videos. However, a musical component is not present could add to the appeal and intractability of th game so we decided to create a way to listen different radio stations through a new Radio Ar and do so with other players as well. This will a users to share synced media across players. T will be able to listen to the same station and re to what they hear on the existing chat features real-time, creating a connection with other pla This could include music stations, live talk-sho or sporting events, all aired over internet radio. can also view the radio schedule and upvote/downvote stations.



Our demo is available at: https://coveytownradiointerfacefrontend.onrei com

Our GitHub repository can be found here: https://github.com/neu-cs4530/covey-townproject-team-206



with such and he to rea allow They eact s ayers. ows, o. They	03 Tech Stack & Desig For this project, we built upon the Covey.Town codebase. The main our radio features includes creat interactable Radio Area. The visu through the Tiled software and r Phaser. The Radio.co API was used to pu streaming and other features, and built from scratch. React and Ch to create the pop-up UI on activ We then deployed the product w design involved creating new co separation between functions an each method only completed or
ender.	04 Future V While we have included the fur some extensions of desirable for various other possible add-ons access to search through the e than just adding a few stations be preloaded after creating a v collects all the existing stations have the ability to favorite statt easily accessible and constant pop-up across games. The visit customizable to show a rotatin could be expanded so that the the radio regardless of where the and other players could see wh

### ign Decisions

ne existing in implementation of ating a new uals were created rendered through

Il in radio station ind new ones were hakra UI were used vation of the area. with Render.com. Our omponents to create ind making sure ne task.

## Nork

ndamentals and eatures, there are s. Players could have entire library rather 5. The stations could web scraper that s. They could also tions that become tly live on their radio uals in the UI could be ng vinyl. The area y can interact with they are in the town hat they're currently ear the same station.

Improves the appeal and interactability of the game through a new Radio Listening Area. The area will allow users to listen to music stations, live talkshows, or sporting events, all aired over internet radio.



#### (05) Features & Functionality

	Radio	
Station Schedule		
<b>Hip-Hop Block</b> , [Sun, 2 GMT - Sun, 26 Nov 2023	6 Nov 2023 03:00:00 3 05:00:00 GMT]	
<b>Adult Album Alternativ</b> 12:00:00 GMT - Sun, 26	<b>e</b> , [Sun, 26 Nov 2023 Nov 2023 14:00:00	
Radio Chat		
alice: hello!		
bob: ni! bob: how are you?		
alice: great :D		
what's your favorite s	ong?	d Hig
Upvote 쇼 Downv	rote 卩	
STATION NAME	SUM OF VOTES	n
Genesis Radio	2	
WEBR Radio.com	1	

(You)

Introduce themselves to new artists by being able to view the artist name, track name, length of the track, and album artwork.

Engages users in novel ways through the ability to upvote and downvote stations, view the list of upcoming stations through a schedule, and manually control playback and volume. After listening to a radio station, it gets added to a list of stations that users can easily click on or remove. Users are also able to communicate via in-game chat.