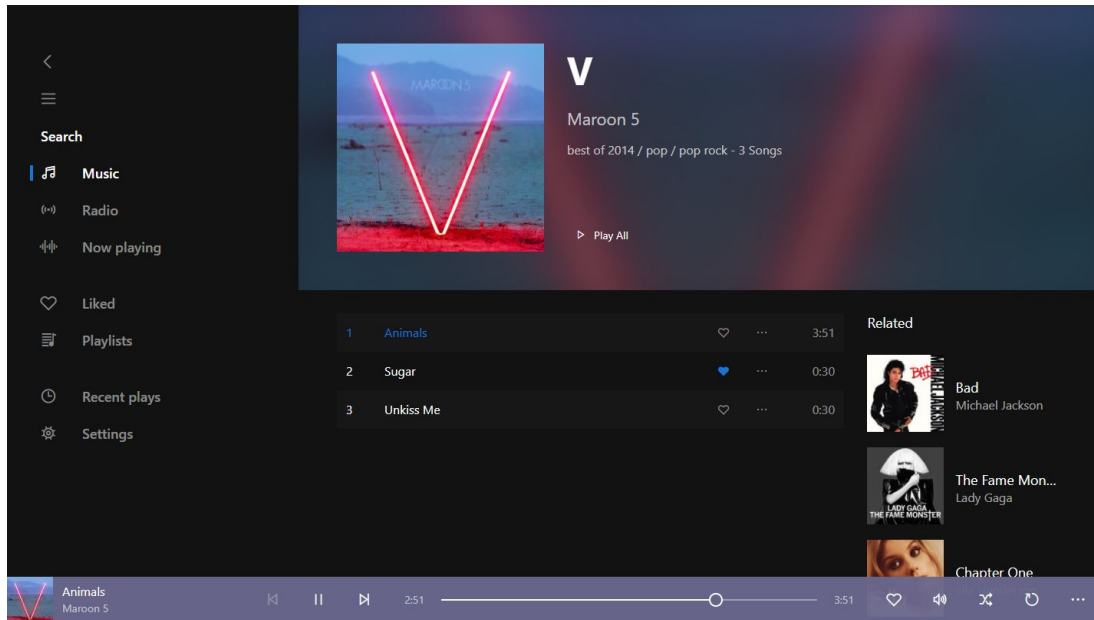# MUSIC PLAYER USING OOPS CONCEPT IN TYPESCRIPT

(THIS IMAGE IS ONLY FOR REFERENCE ONLY)

TASK DETAILS

Create a music player web app using html, oops, typescript and bootstrap with the following features.

- Users can create audio using URLs available online.
- Users can create multiple Playlists based on the genre of the song.
- Users can add multiple audio files into each playlist created.
- Users can search audio by name.
- Users can search the playlist by name.
- Users can give ratings to playlist and audio. Rating displayed is the average rating calculated after each submission.
  For displaying Average rating:
  1. Create 3 users and randomly generate ratings from 1 to 5.
  2. find the average rating from the random number generated and display it in the front end.
- Audio player customization feature will fetch additional points.

Any specification on the design?
- Preferred UI framework: Bootstrap.
- You're supposed to use only TypeScript using OOPs.

Requirements:
- All HTML body elements should be written with typescript only.
- UI should be responsive.
- Use fonts if it's required in the design.
- Use icons if it's required in the design.
- This is a front-end task

How do I submit my work?
Preferred:
- Zip all your work files and upload them to the Assessment folder that is created for you inside your folder in Google drive.
- As well as upload a separate text file containing both Github and Netlify URL's to the same folder of your google drive.
- Host your webpage in Netlify (https://www.netlify.com) and add push your work files to Github as well.

Bonus:
1. In TypeScript Usages of HTMLElement or HTMLInputElement for creating HTML tags will be awarded extra marks.
2. Passing values of one HTML page to another HTML will be awarded extra marks

Any basic hints to solve?
- https://www.typescriptlang.org/
- https://www.javascripture.com/HTMLInputElement
- https://developer.mozilla.org/en-US/docs/Web/API/HTMLInputElement
- https://microsoft.github.io/PowerBI-JavaScript/interfaces/_node_modules_typedoc_node_modules_typescript_lib_lib_dom_d_.htmlelement.html
- https://getbootstrap.com/docs/4.4/getting-started/introduction/

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