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Monday, June 28 — Friday, August 6

Music Rush

Ratings
and
recommendation engine
for all things musical

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MUSIC RUSH

Music Rush is a service and web application for storing and retrieving musical ratings and providing recommendations.

App features:

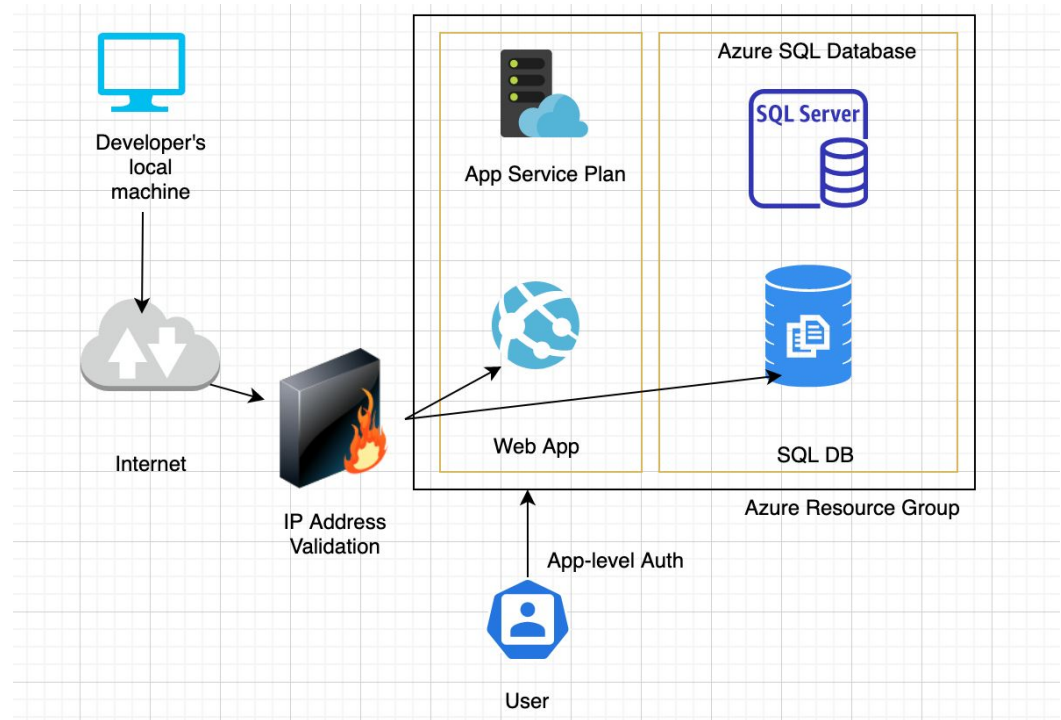
- Users are able to add new albums and songs
- Users are able to update songs and albums ratings
- Users are able to sign up and login (under construction, to be deployed in phase 2)
- Users are able to receive music recommendations on basis of ratings they submitted (phase 2)

Tech Stack and Design:

- ASP.NET Core 5.0 application
- Written in C#
- Razor pages for front end development
- MVC implementation pattern
- Entity Framework Core data access technology
- SQLite for development / SQL Server for production env
- Visual Studio and Visual Studio Code for development and publishing
- GitHub for version control and collaboration
- Azure Cloud Shell for resource creation and deployment



Cloud Architecture





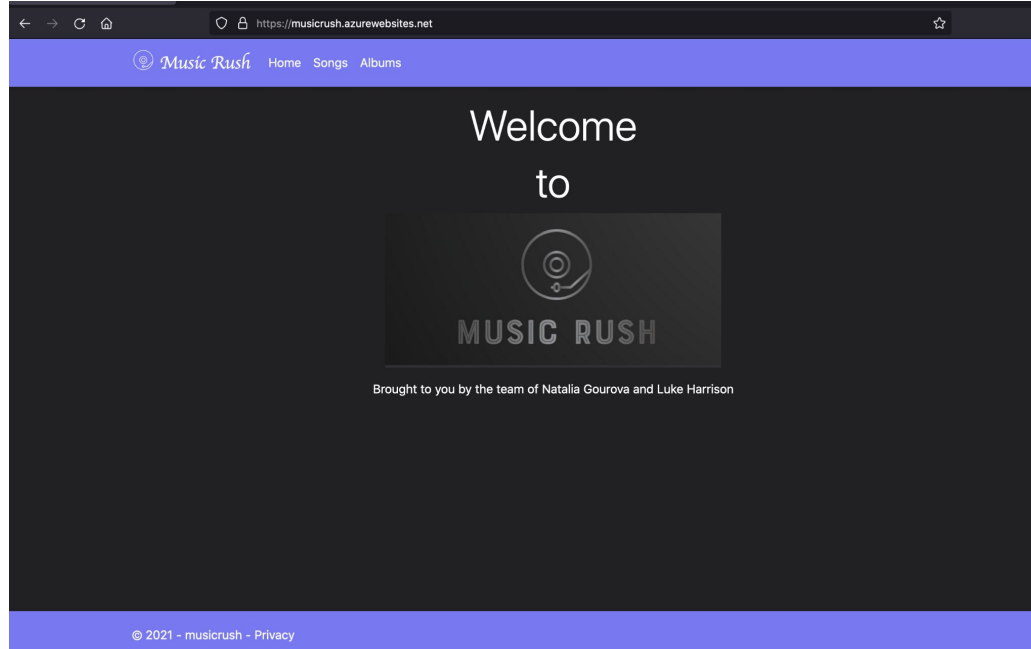
App UI structure:

- Welcome page
- Albums Pages (index and CRUD)
- Songs Pages (index and CRUD)

Deployed app demo at <https://musicrush.azurewebsites.net/>

Welcome page

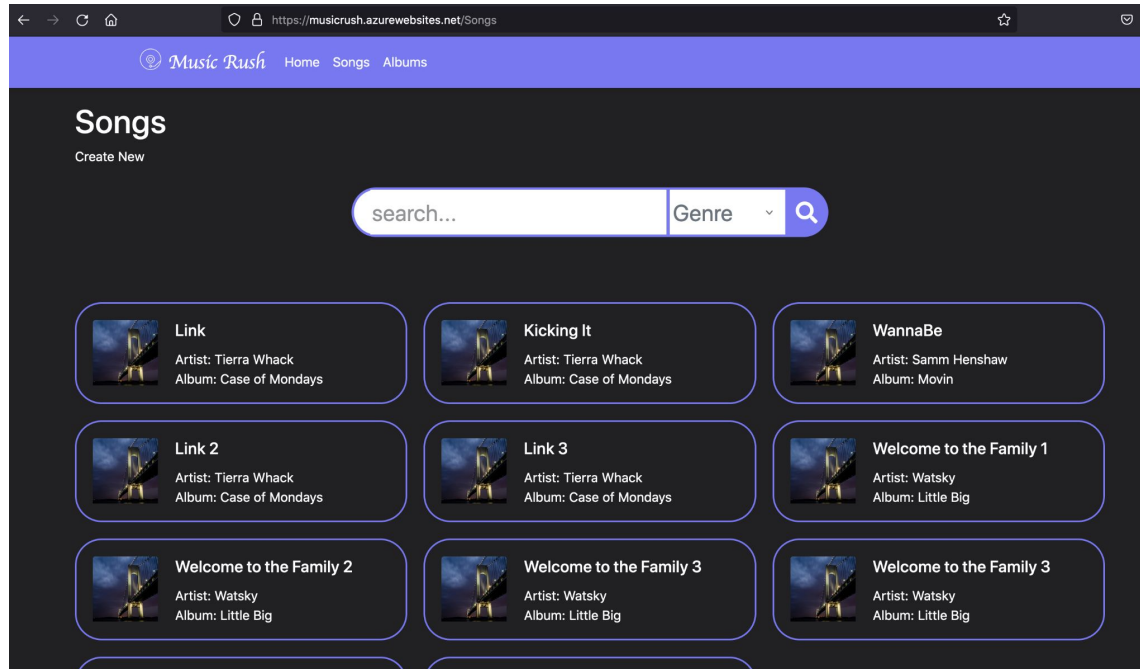
- Navbar
- App logo
- Privacy Notice
- Authentication (phase 2)





Songs page

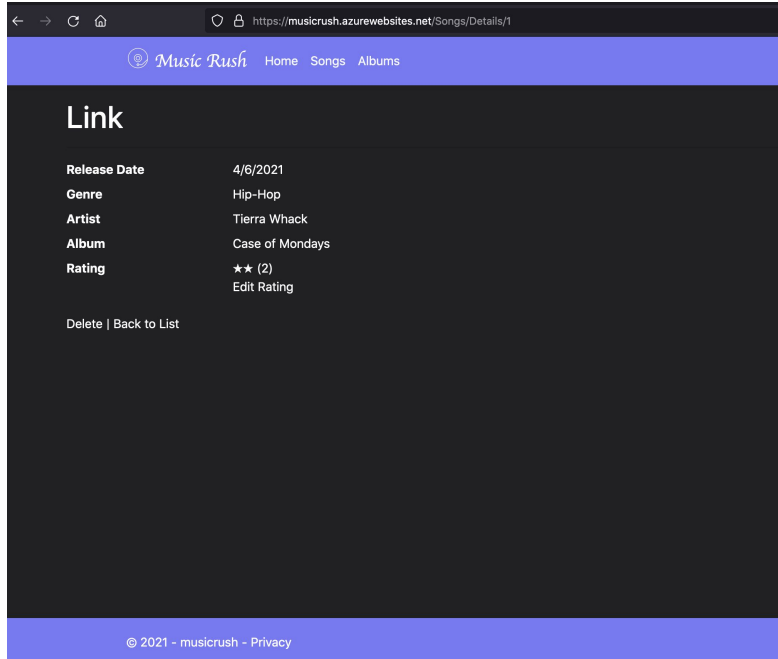
- Full list
- Search title/genre





Single Song page

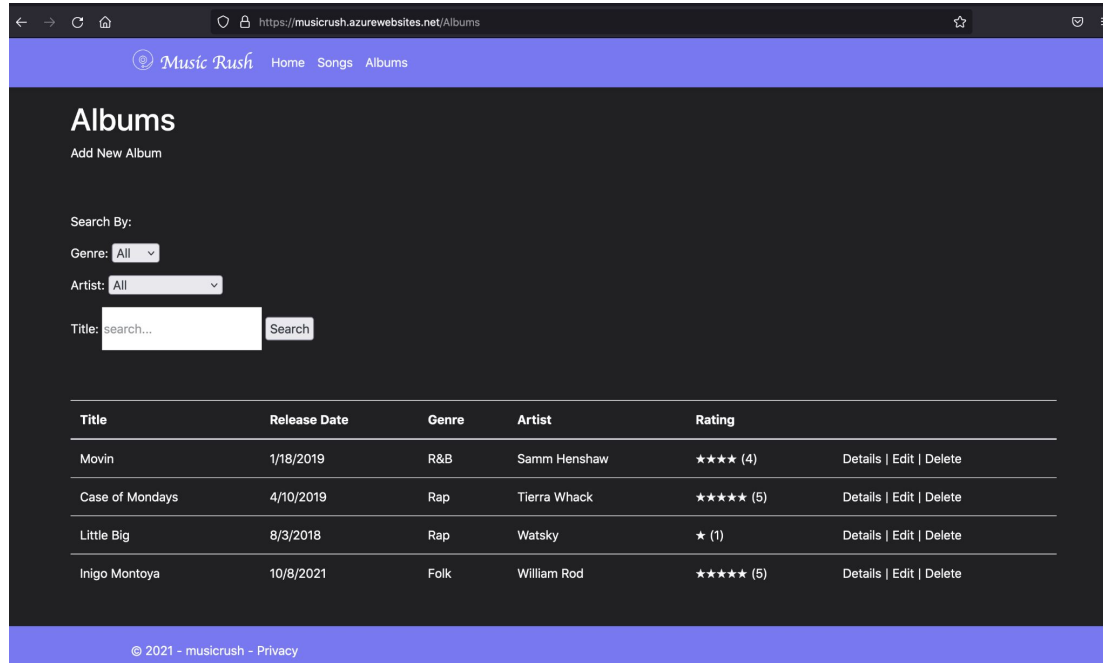
- Title
- Details
- Edit Rating functionality





Albums page

- Full list
- Search
- CRUD



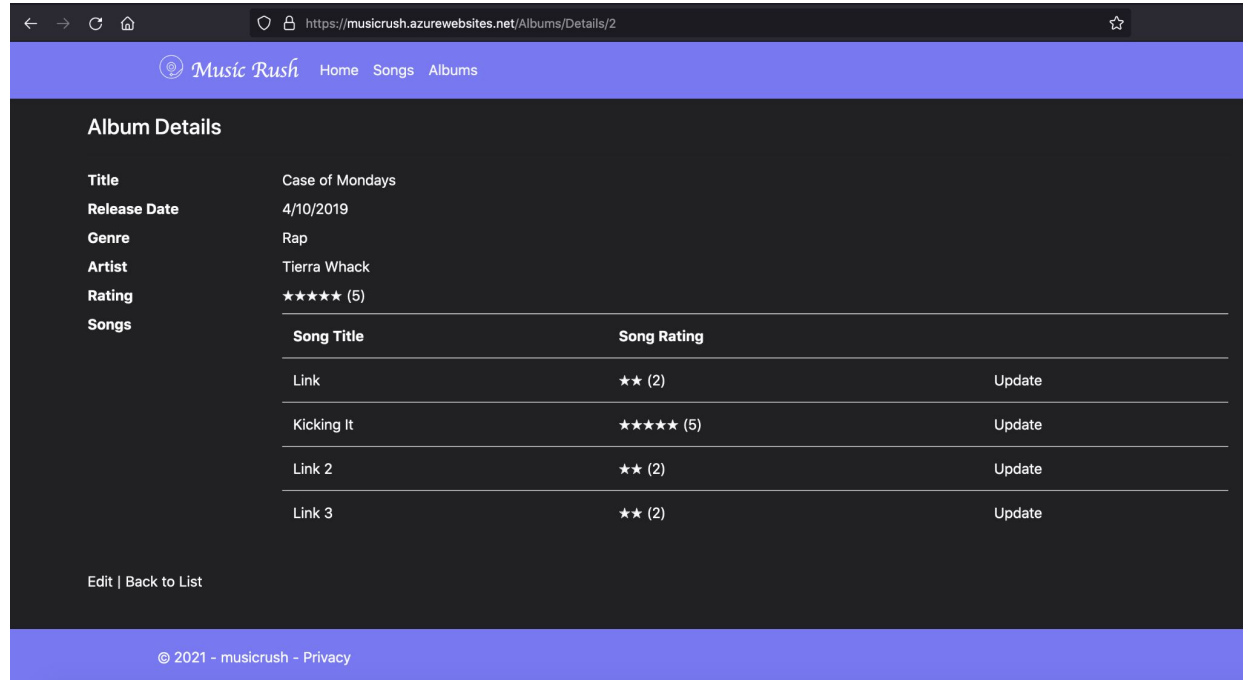
The screenshot shows a web browser displaying the 'Albums' page of the Music Rush application. The page has a dark theme with a purple header and footer. The header contains the 'Music Rush' logo and navigation links for 'Home', 'Songs', and 'Albums'. The main content area is titled 'Albums' and includes a link to 'Add New Album'. Below this is a search section with 'Search By:' and two dropdown menus for 'Genre' (set to 'All') and 'Artist' (set to 'All'). There is a text input field for 'Title' with the placeholder 'search...' and a 'Search' button. The main part of the page is a table listing albums. The table has columns for 'Title', 'Release Date', 'Genre', 'Artist', 'Rating', and a set of links for 'Details | Edit | Delete'. The footer contains the copyright notice '© 2021 - musicrush - Privacy'.

Title	Release Date	Genre	Artist	Rating	
Movin	1/18/2019	R&B	Samm Henshaw	★★★★ (4)	Details Edit Delete
Case of Mondays	4/10/2019	Rap	Tierra Whack	★★★★★ (5)	Details Edit Delete
Little Big	8/3/2018	Rap	Watsky	★ (1)	Details Edit Delete
Inigo Montoya	10/8/2021	Folk	William Rod	★★★★★ (5)	Details Edit Delete



Album page

- Details
- Song list
- Song rating update functionality



The screenshot shows a web browser displaying the 'Album Details' page for 'Case of Mondays' by Tierra Whack. The page has a purple header with the 'Music Rush' logo and navigation links. The album details are listed on the left, and a table of songs is on the right. The table has columns for 'Song Title', 'Song Rating', and 'Update'. The footer includes a copyright notice and a privacy link.

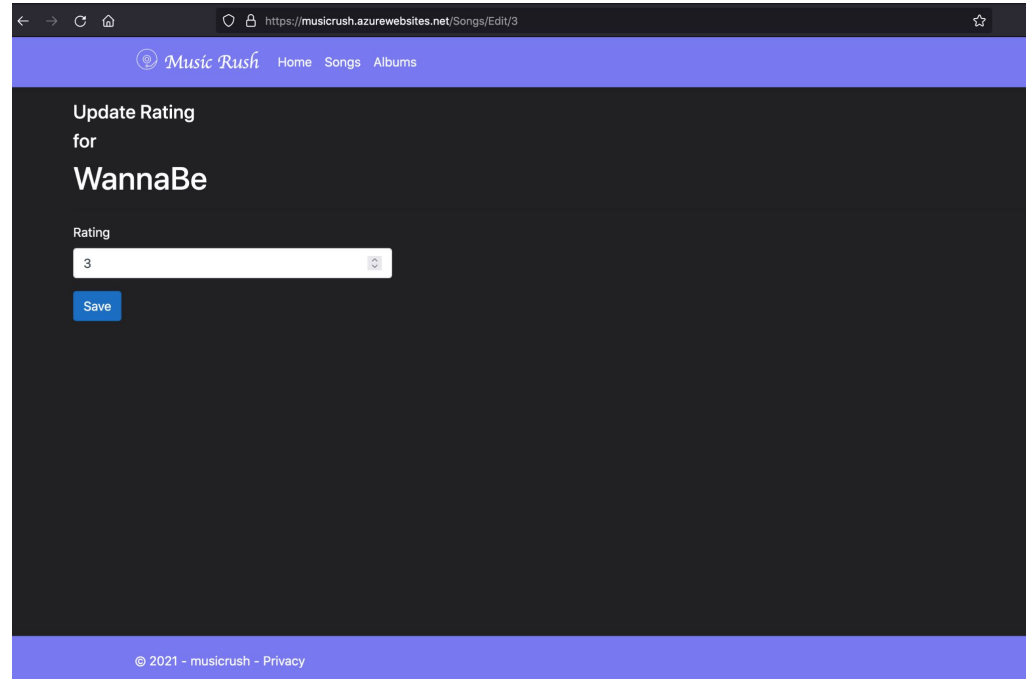
Album Details		
Title	Case of Mondays	
Release Date	4/10/2019	
Genre	Rap	
Artist	Tierra Whack	
Rating	★★★★★ (5)	
Songs		
Song Title	Song Rating	
Link	★★ (2)	Update
Kicking It	★★★★★ (5)	Update
Link 2	★★ (2)	Update
Link 3	★★ (2)	Update

Edit | Back to List


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Song Edit Page

- Only Ratings are open for editing
- Validator supports rating values from 1 to 5

A screenshot of a web browser showing the "Song Edit Page" for "WannaBe". The browser's address bar shows the URL "https://musicrush.azurewebsites.net/Songs/Edit/3". The page has a purple header with the "Music Rush" logo and navigation links "Home", "Songs", and "Albums". The main content area is dark gray and contains the text "Update Rating for WannaBe". Below this, there is a "Rating" label, a text input field containing the number "3", and a blue "Save" button. The footer is purple and contains the text "© 2021 - musicrush - Privacy".

← → ↻ 🏠 🔒 https://musicrush.azurewebsites.net/Songs/Edit/3 ☆

 Music Rush Home Songs Albums

Update Rating
for
WannaBe

Rating

3

Save

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Lessons Learned:

- Communication is the key
- Commit often
- Not all PRs are created equal, but all benefit from a review
- There is no such thing as too much documentation