

Team Name: Stellar (Group 62)

GitHub: <https://github.com/BradSmith2015/Stellar>

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User Acceptance Test Plans

Feature 1 - Artist Recommendations

Submit an artist to the Last.fm API and receive a json file of related artists. This feature will take a seed artist from the SQL database and send the json data to the front-end to display to the user. Using 'backend.py' file.

Test Case 1: Sample Artist returns meaningful Recommendations

Input: "Kanye West"

Output: "Kendrick Lamar", "The Throne (JayZ + Kanye Collab)", etc..

```
{
  "match": "0.913630",
  "mbid": "381086ea-f511-4aba-bdf9-71c753dc5077",
  "name": "Kendrick Lamar",
  "streamable": "0",
  "url": "https://www.last.fm/music/Kendrick+Lamar"
},
{
  "image": [
    {
      "#text": "https://lastfm-img2.akamaized.net/i/u/34s/73dfe3ce364b2e53324ecd2c682df0e4.png",
      "size": "small"
    },
    {
      "#text": "https://lastfm-img2.akamaized.net/i/u/64s/73dfe3ce364b2e53324ecd2c682df0e4.png",
      "size": "medium"
    },
    {
      "#text": "https://lastfm-img2.akamaized.net/i/u/174s/73dfe3ce364b2e53324ecd2c682df0e4.png",
      "size": "large"
    },
    {
      "#text": "https://lastfm-img2.akamaized.net/i/u/300x300/73dfe3ce364b2e53324ecd2c682df0e4.png",
      "size": "extralarge"
    },
    {
      "#text": "https://lastfm-img2.akamaized.net/i/u/300x300/73dfe3ce364b2e53324ecd2c682df0e4.png",
      "size": "mega"
    },
    {
      "#text": "https://lastfm-img2.akamaized.net/i/u/300x300/73dfe3ce364b2e53324ecd2c682df0e4.png",
      "size": ""
    }
  ],
  "match": "0.801205",
  "mbid": "d1a1547d-6406-4f06-a520-b9af80c168a0",
  "name": "The Throne",
  "streamable": "0",
  "url": "https://www.last.fm/music/The+Throne"
}
```

Significance: The api returns similar artists based on genre and sound, for example, Kanye West returned similar hip-hop artists. The api also gives relevant

information: Artist ID (mbid), percentage match to query, pictures, etc..

Test Case 2: Returns 'null' to empty query

Input: " "

Output:

```
{
  "error": 6,
  "links": [],
  "message": "The artist you supplied could not be found"
}
```

Significance: The api returns null to empty requests.

Feature 2 - Login System

The login system logs in the user and creates a session.

Test case 1: email -> test@gmail.com, password: test

output : Login Successful

```
<?php
use User\User;
use User\UserError;

try{
    $obj = new User;
    $obj->login("test@gmail.com", "test");
    //$obj->logMeOut();
}
catch (UserError $e){
    echo $e->getMessage(); //this catches all the errors returned from the system;
}
```

Login Successful.

```
stdClass Object
(
  [id] => 5
  [email] => test@gmail.com
  [name] =>
  [phone] => 720147845
  [date_registered] =>
  [last_login] => 1512269052
)
```

Test case 2: email -> test0001@gmail.com, password: ttestt

Invalid email/Password

The login page returns an error message when the user enters an invalid email or password and also it will only login the user if there is no previous session of the user logged in, meaning the user can't login twice.

Some other features of the login system include:

- Remember me feature that will store a cookie on the user's machine and logs in the user automatically on the next visit.
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