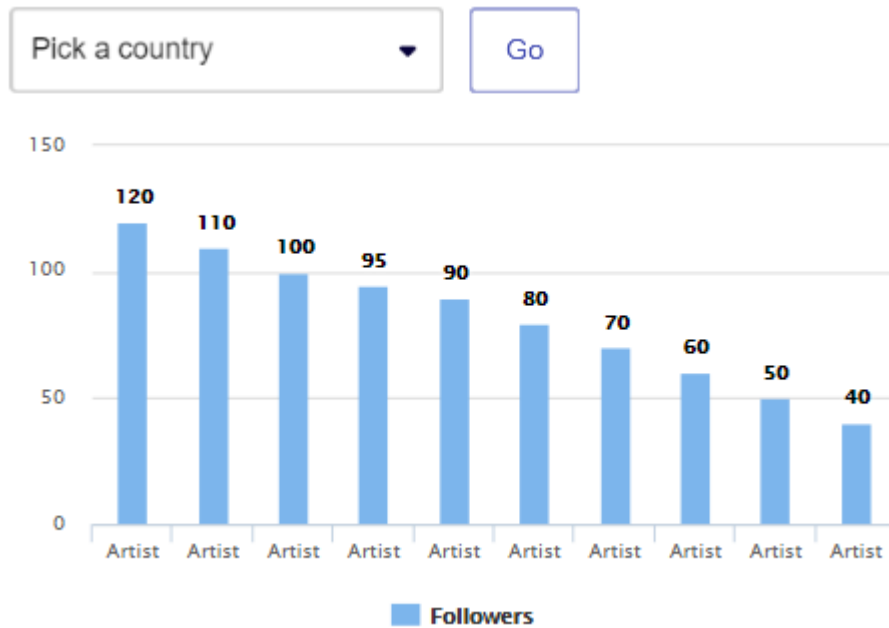Sprint 5 Artifact

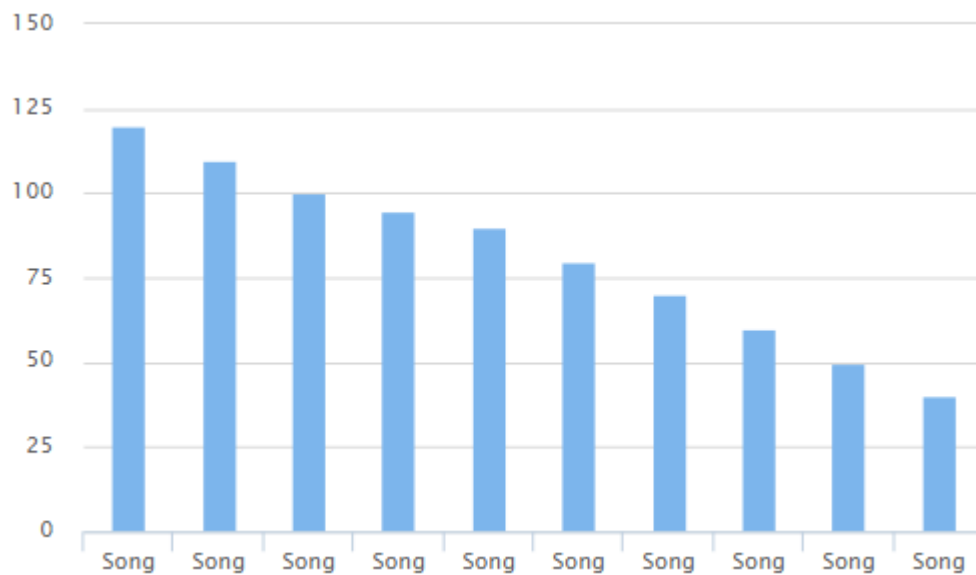**Members:** Thet Zaw , Marco Baez Pulido , Jessie Lu , George Orduno Galicia , Yong Hwei Toon

Features:
- **Feature 4**: Who has the most followers by country
- **Feature 5**: Which song held the most #1 spot
- **Feature 6**: Which artists had the most number of songs in the chart
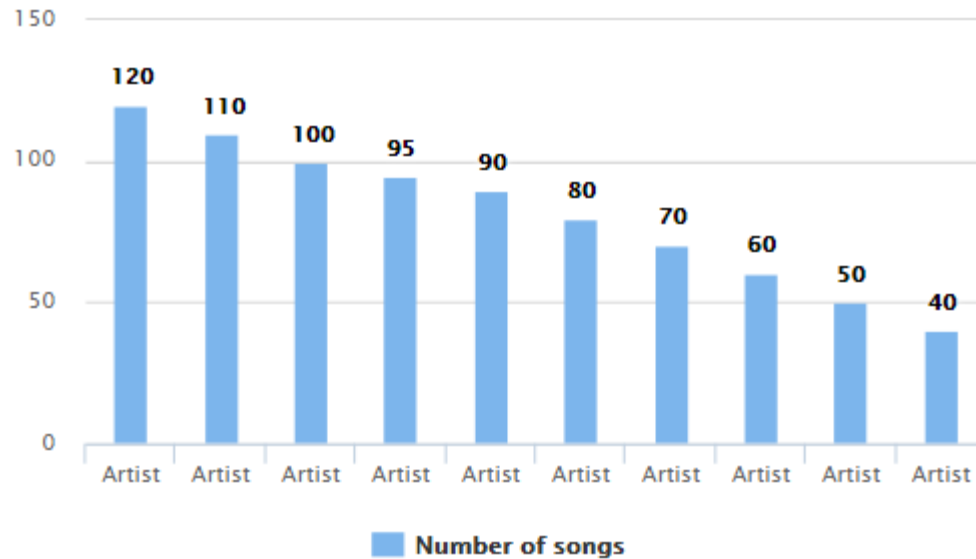
GUI design:

Feature 4:

Feature 5:

Feature 6:

Test cases:
- **Feature 4 Test Cases**: Who has the most followers by country
    - **Test Case 1**: User enters a country
      Correct Output: The chart updates with the correct information

To-do list:
Done list of last sprint
- Backend method for feature 1
    - SearchAndReturnCharacteristics function for feature one finished by Marco Baez and David Toon and not yet verified
- Backend method for feature 2
    - top10genre function for feature two finished by Jessie Lu and not yet verified
- Backend method for feature 3
    - top10ArtistTopTen function finished by David Toon and not yet verified
- UI to display feature 1
    - [finished by Thet Zaw and not yet verified]
- UI to display feature 2
    - [finished by Thet Zaw and not yet verified]
- UI to display feature 3
    - [finished by Thet Zaw and not yet verified]
- Connect backend and frontend
    - Get and Post functions for feature one finished by Marco Baez and not yet verified
    - Get and Post function started for feature 2 and 3 started by Marco Baez, not yet finished and not yet verified

To-do for next sprint

- Backend method for feature 4
    - Acceptance criteria: The method calculates the most followers correctly and returns it
- Backend method for feature 5
    - Acceptance criteria: The method calculates the correct information and returns it
- Backend method for feature 6
    - Acceptance criteria: The method calculates the correct information and returns it
- UI to display feature 4
    - Acceptance criteria: The user can see and interact with the UI and it displays the correct information
- UI to display feature 5
    - Acceptance criteria: The user can see the UI and it displays the correct information
- UI to display feature 6
    - Acceptance criteria: The user can see the UI and it displays the correct information
- Connect backend and frontend
    - Acceptance criteria: Frontend and backend can communicate and send data successfully