FEELING SENTIMENTAL?

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Using Spotify Top 50 Songs data from 2010 to 2019, we created an application to recommend the best song to you based on your mood and preferences.

How are you feeling today? Happy, Neutral, or Sad?

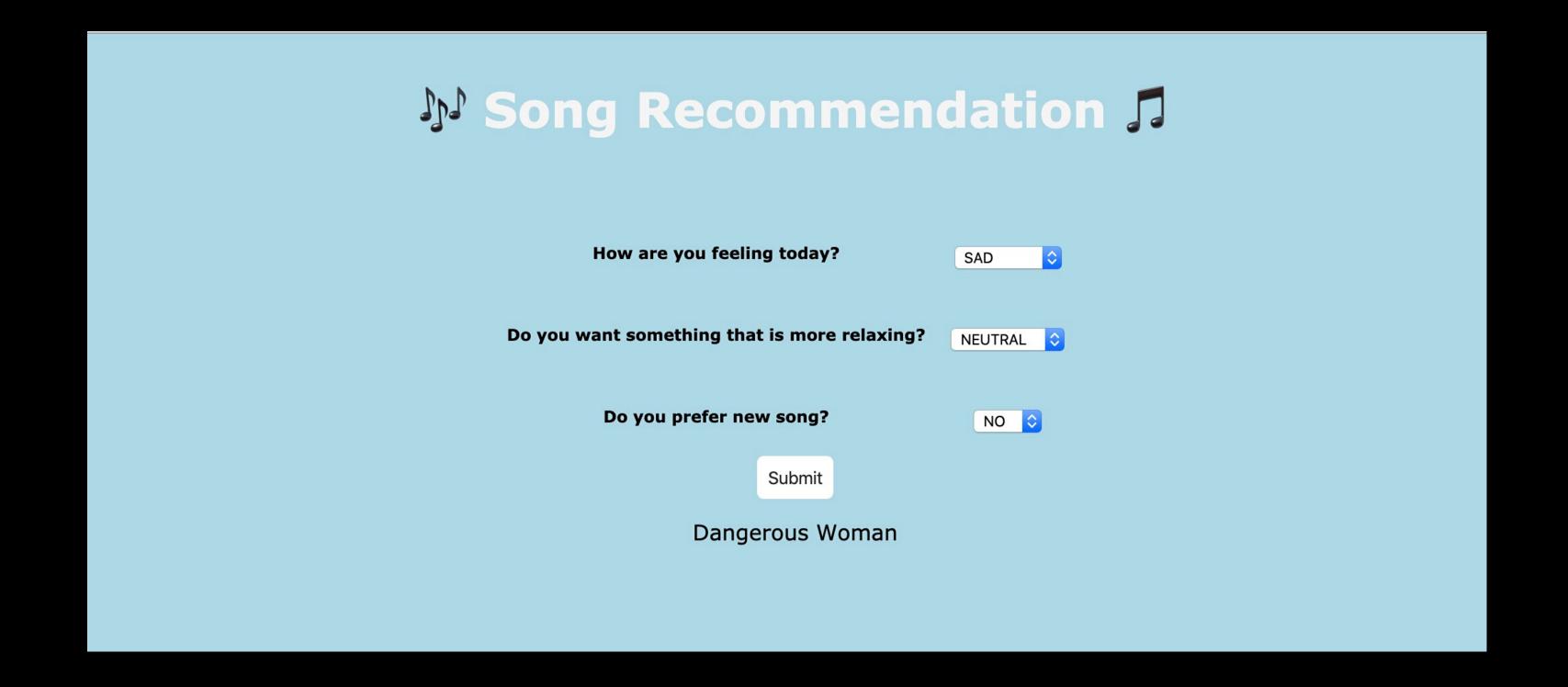sad: sentiment < 0

neutral: 0 <= sentiment <= 0.2

happy: sentiment > 0.2

Would you prefer newer songs?

Newer songs: release year after (including) 2018

Do you want something that is more relaxing, neutral, or intensive?

relaxing: nrgy < 40

neutral: 40 <=nrgy <=60

intensive: nrgy > 60

🎶 Song Recommendation 🎵

How are you feeling today?   [SAD ▾]

Do you want something that is more relaxing?   [NEUTRAL ▾]

Do you prefer new song?   [NO ▾]

[Submit]

Dangerous Woman

What we did:

1. Downloaded Spotify Top 50 Songs by year (from 2010 to 2019) from Kaggle (data source: https://www.kaggle.com/leonardopena/top-spotify-songs-from-20102019-by-year).
2. Scraped song lyrics from genius.com using BeautifulSoup.
3. Conducted sentiment analysis on each song's lyrics, created a new column for sentiment score.
4. Through exploratory data analysis, found the best variables to match one's mood and emotions.
5. Created application UI.