Team best bootstrap bubbles
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SoftDev1 pd7
Task the Second-- the plan
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Title of site: Listen Up

Purpose: We'll use the Watson text to speech API to read questions generated from the open trivia API. Once a user gets a certain number correct, we play a song using the musixmatch API. If a user gets *x* number questions right they have the option of customizing their questions based on difficulty or type. The questions and songs are read aloud.

   I.   APIs used:
        A. 411 on IBM Watson Text to Speech:
            https://docs.google.com/document/d/19iPP1Xi57UKoWfSQkZqPk-bRymRDHjx_GidOs4KkS-M/edit
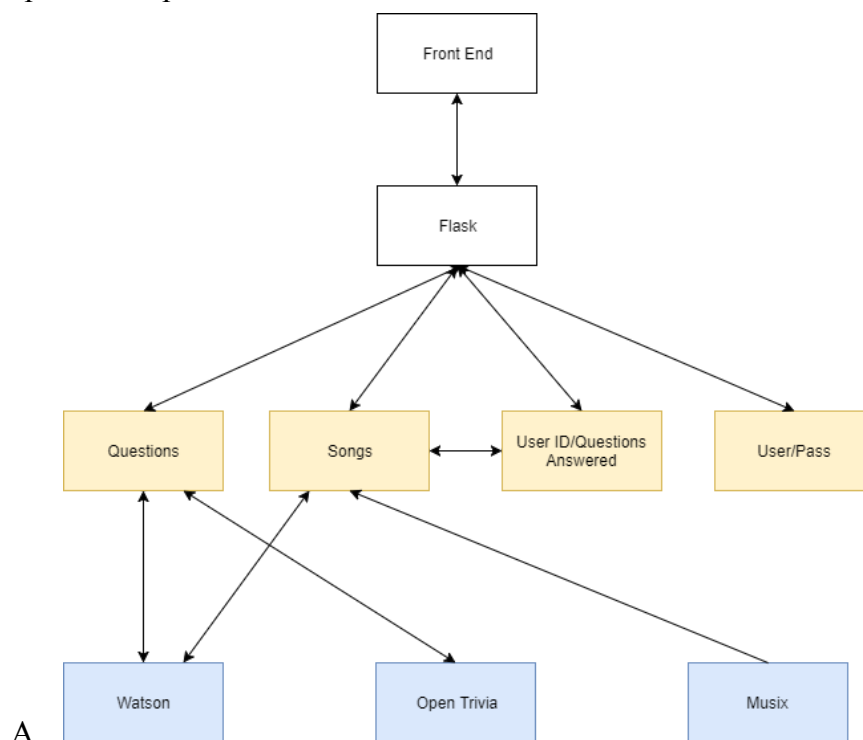   B. 411 on Open_Trivia:
            https://docs.google.com/document/d/1PxD6ZHBJffZcfIUBipOan-QEMvHRRwikSppeI4ZFlhk/edit
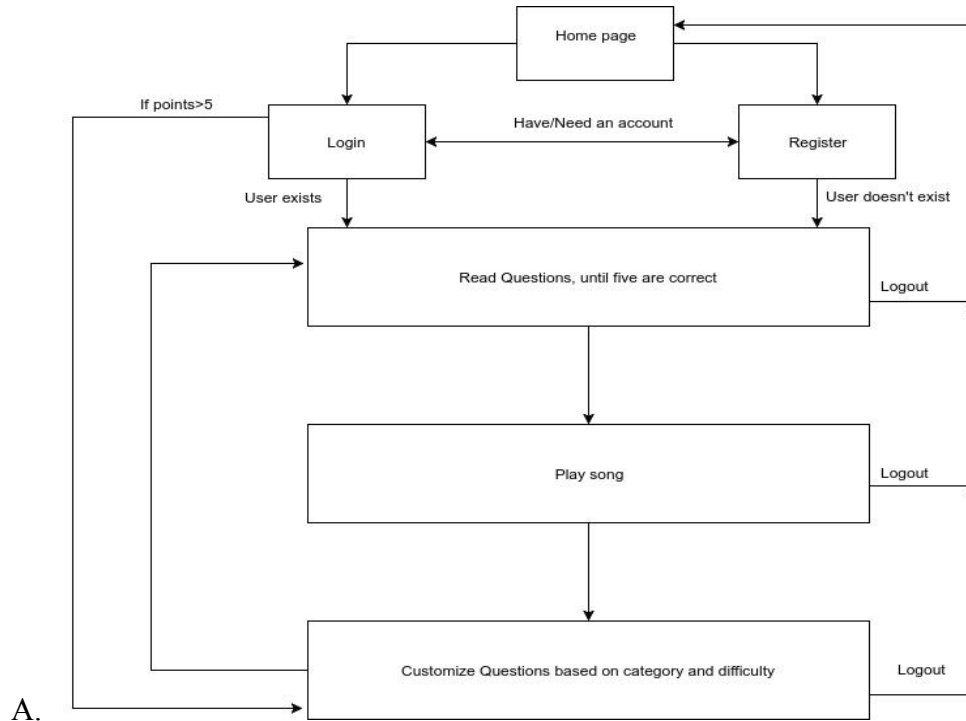   C. 411 on Musixmatch
            https://docs.google.com/a/stuy.edu/document/d/1CcNZBjpjsbRjIDhjQ4lh_8xLttrDmp4BeczeZIhIOAw/edit
  II.   Component Map

        A.

Blue is APIs, yellow is parts of the database.

III. Site Map

A.
   1. *** 5 is not the number set in stone it may change ***

IV. Database Schema
   A. ID| Username | password | points | questions | songs heard
      1. This datatable will keep track of the username and password. It's helpful for authenticating the users and making sure someone who's registering doesn't use a username that exists already. It also keeps track of how many points the user has, because users with 5 points (or more) will get to customize their questions. So the number of correct questions column helps us keep track of that. It also keeps track of which questions a user has attempted already. This way the user doesn't just keep answering the same question multiple times and this way people don't cheat! It also makes sure the user doesn't consistently listen to the same song again and again (variety!!)
   B. ID | Question | Answer | Category | Difficulty | Type |Choices| Path to Audio
      1. This database will help us stay within the quota of the open trivia API. we will store the information that a call to the API gives us as well as a path to the audio file of the Watson text to speech database saying the question.
   C. ID | Artist| Song name | Lyrics | Path to Audio file

1. This will help us keep within the quota for musixmatch and keep our songs organized. It'll be used for playing the song after a user gets x number of questions right.

V.   Roles

    A. Project Manager and Front End: Bayan Berri

    B. Open Trivia Guru: Brian Leung

    C. Disc Jockey: Naotaka Kinoshita

    D. Text to Speech & databases: Khyber Sen