

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](https://docs.google.com/document/d/19iPP1Xi57UKoWfSQkZqPk-bRymRDHjx_GidOs4KkS-M/edit)

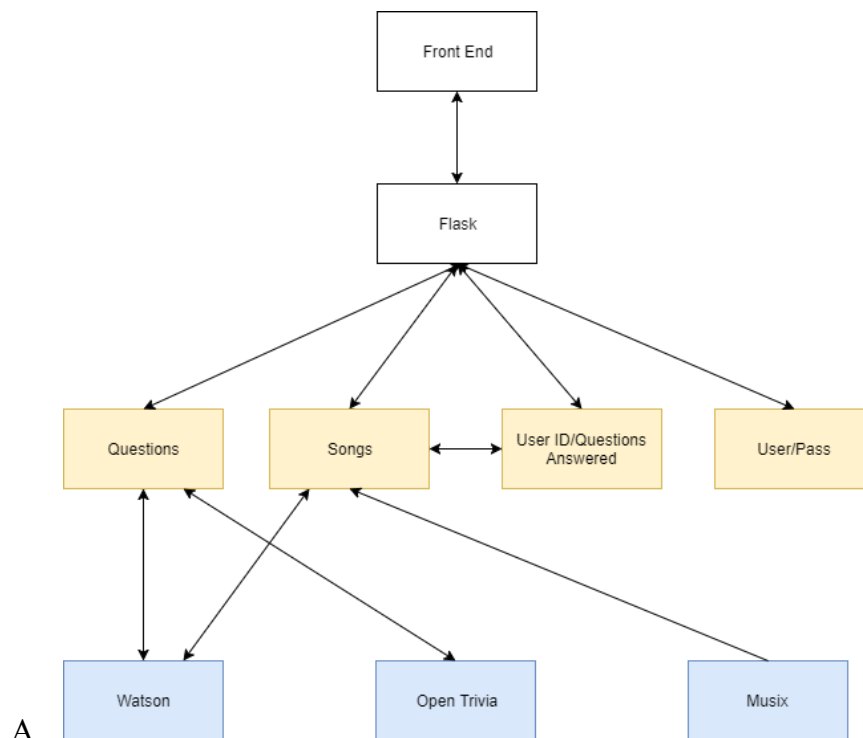
B. 411 on Open\_Trivia:

[https://docs.google.com/document/d/1PxD6ZHBjffZcfIUBipOan-QEMvHRRwik\\_SppeI4ZFlhk/edit](https://docs.google.com/document/d/1PxD6ZHBjffZcfIUBipOan-QEMvHRRwik_SppeI4ZFlhk/edit)

C. 411 on Musixmatch

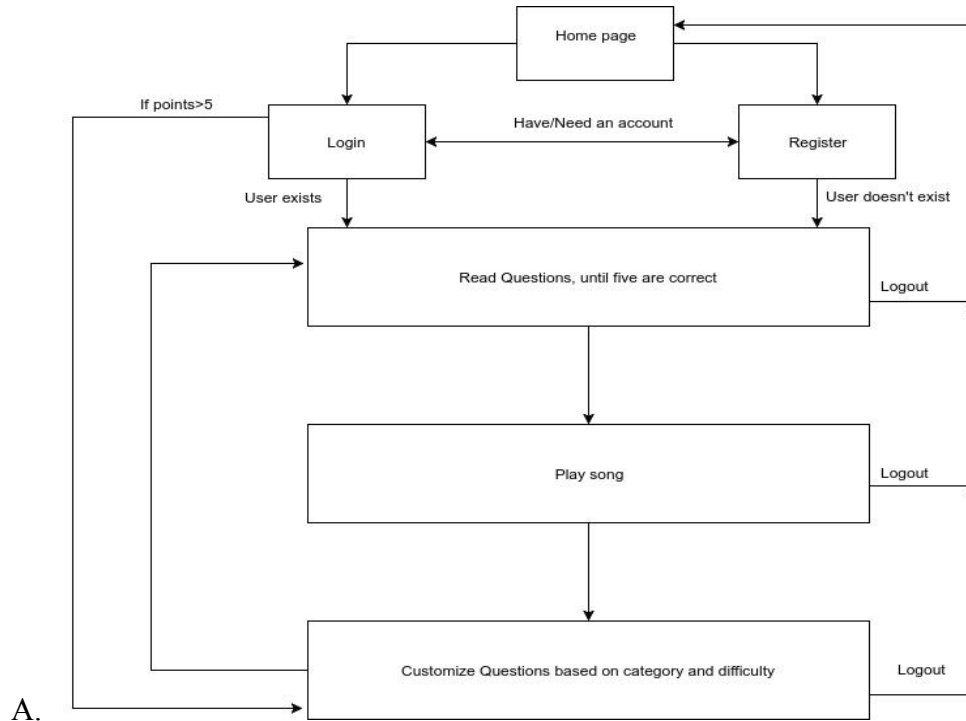
[https://docs.google.com/a/stuy.edu/document/d/1CcNZBjpjsbRjIDhjQ4lh\\_8xLtrDmp4BeczeZlhIOAw/edit](https://docs.google.com/a/stuy.edu/document/d/1CcNZBjpjsbRjIDhjQ4lh_8xLtrDmp4BeczeZlhIOAw/edit)

II. Component Map



Blue is APIs, yellow is parts of the database.

### III. Site Map



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

### IV. Database Schema

#### A. Username | password | # of correct Questions | Question IDs attempted

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!

#### B. Question | Answer | Category | Difficulty | Type | Incorrect answers | 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. Song name | Song 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