Client

Client

Javascript client communicating with server via json API

User

Middleware

Middleware

Django application

JSON request/response

store/retrieve data

retrieve music data

Database

Database

Postgres database

MusicBrainz database

MusicBrainz database

Open source music database

QuestionTemplate

id	PrimaryKey	int
template	undefined	str

User

id	PrimaryKey	int
email	undefined	str
password_hash	undefined	str
scores	Set	Score

Quiz

id	PrimaryKey	int
name	undefined	str
genres	Set	Genre
artists	Set	Artist
scores	Set	Score

Genre

id	PrimaryKey	int
name	undefined	str
remote_id	undefined	int
quizes	Set	Quiz

Score

id	PrimaryKey	int
score	undefined	int
user	Required	User
quiz	Required	Quiz

Artist

id	PrimaryKey	int
name	undefined	str
remote_id	undefined	int
quizes	Set	Quiz

PONY

MusicBrainz DB

Relationships

Relationship Types | Relationship Attributes

	Area	Artist	Event	Instrument	Label	Place	Recording	Release	Release Group	Series	URL	Work
Area	Area-Area											
Artist	Area-Artist	Artist-Artist										
Event	Area-Event	Artist-Event	Event-Event									
Instrument	Area-Instrument	Artist-Instrument	Event-Instrument	Instrument-Instrument								
Label	Area-Label	Artist-Label	Event-Label	Instrument-Label	Label-Label							
Place	Area-Place	Artist-Place	Event-Place	Instrument-Place	Label-Place	Place-Place						
Recording	Area-Recording	Artist-Recording	Event-Recording	Instrument-Recording	Label-Recording	Place-Recording	Recording-Recording					
Release	Area-Release	Artist-Release	Event-Release	Instrument-Release	Label-Release	Place-Release	Recording-Release	Release-Release				
Release Group	Area-Release Group	Artist-Release Group	Event-Release Group	Instrument-Release Group	Label-Release Group	Place-Release Group	Recording-Release Group	Release-Release Group	Release Group-Release Group			
Series	Area-Series	Artist-Series	Event-Series	Instrument-Series	Label-Series	Place-Series	Recording-Series	Release-Series	Release Group-Series	Series-Series		
URL	Area-URL	Artist-URL	Event-URL	Instrument-URL	Label-URL	Place-URL	Recording-URL	Release-URL	Release Group-URL	Series-URL	URL-URL	
Work	Area-Work	Artist-Work	Event-Work	Instrument-Work	Label-Work	Place-Work	Recording-Work	Release-Work	Release Group-Work	Series-Work	URL-Work	Work-Work

Architecture Diagram
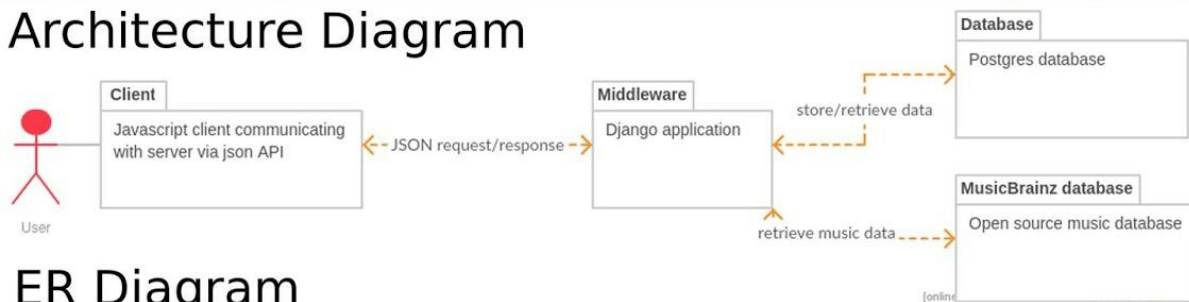
ER Diagram
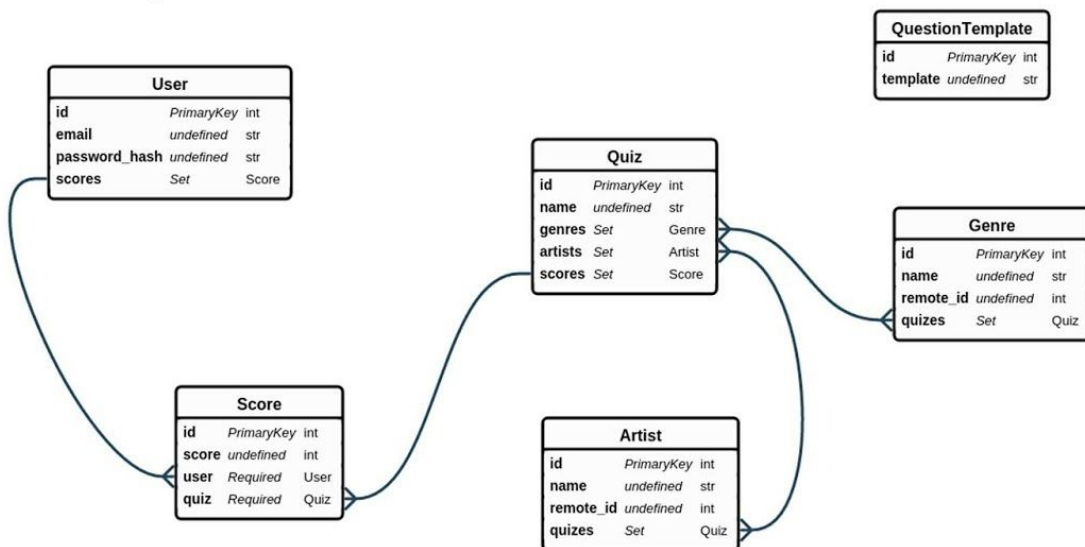
Question Templates

Example: Which year did {band.name} release {release.name}?
Example placeholders:
artist.name, artist.instrument, band.name, song.name, song.year and so o

Persona

Justin Bieber is a 21 year old from Canada. He is a young, avid music fan. From the age of 13, Justin has been involved in the music industry with a career in singing. Justin believes he has a wide and depth knowledge in music. His particular knowledge of music is in the pop industry, he is a registered user with the music quiz,and Justin has an obsession with testing his fan's knowledge of his music.

Napoleon Dynamite is a 16 year old teenager from USA. He is still in school and enjoys testing his wide depth of knowledge and aims to be the best at everything he does. He has a keen interest in doing quizzes and testing his knowledge. He is interested in music and wants to test his knowledge

Wireframes
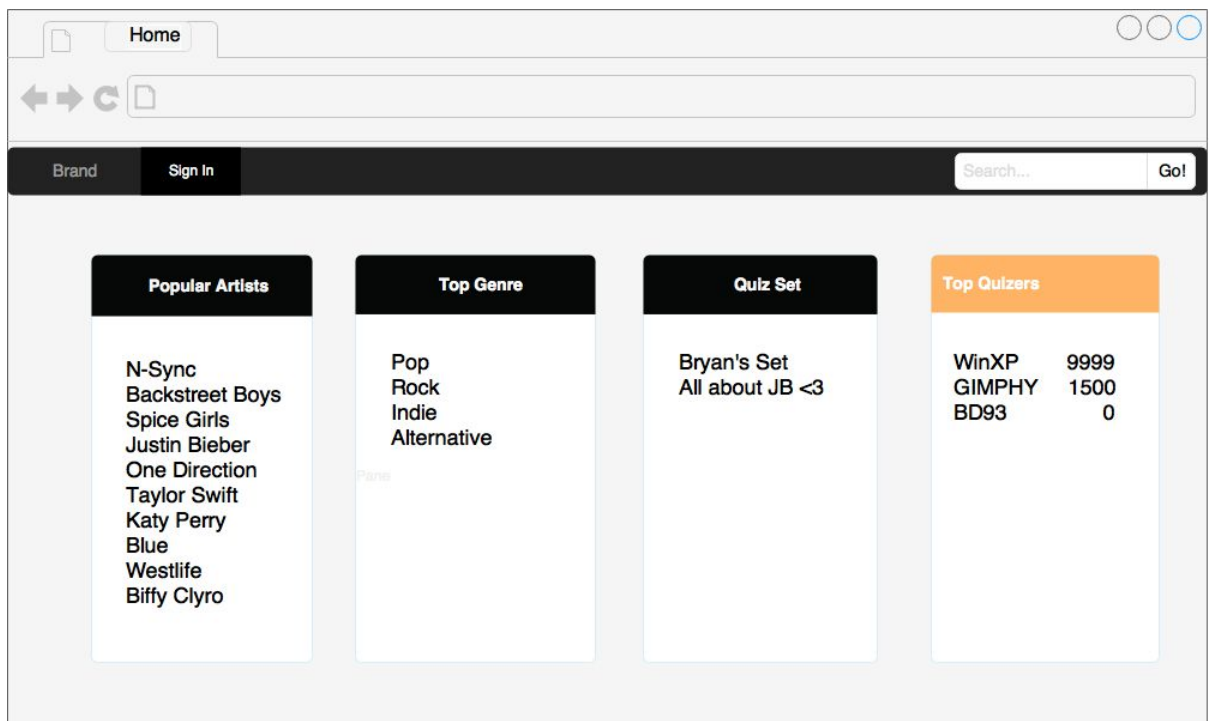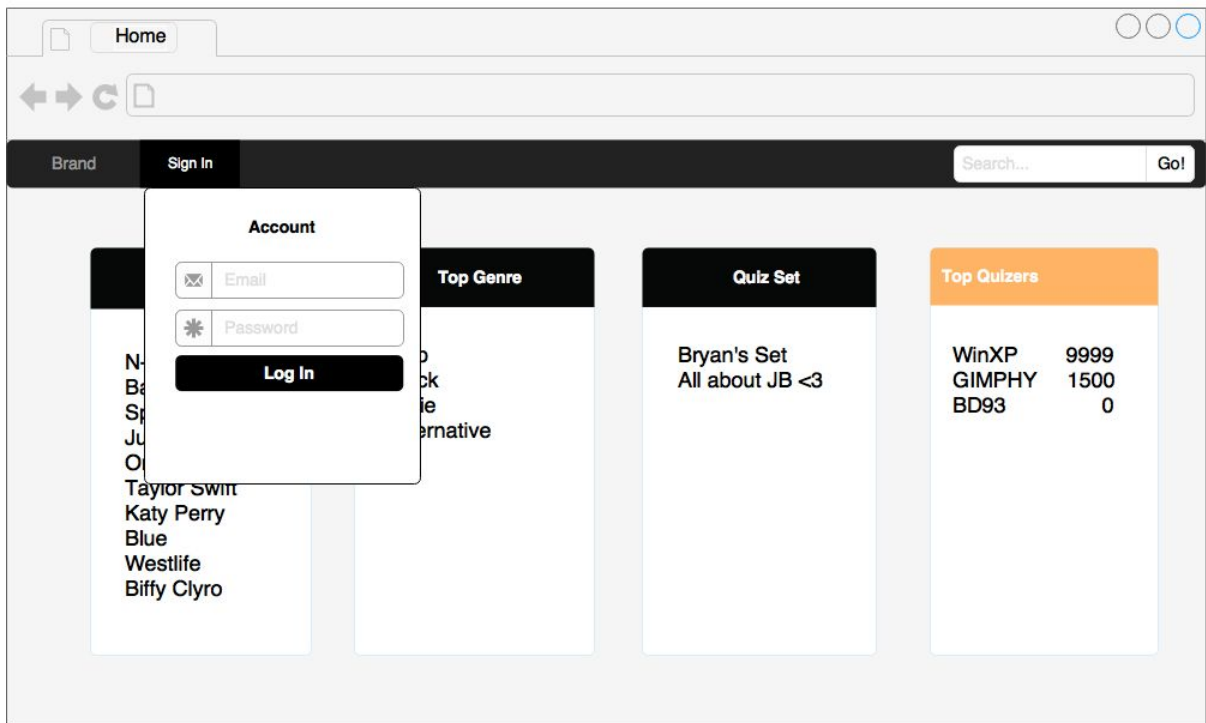
Brand   BD93

Search...   Go!

Q1   **Current Score: 0**

Justin Bieber had a hit with what song?

Panel content

Lean on   What do you mean?

Hello   Roar

Top Quizers

WinXP   9999
GIMPHY   1500
BD93   0