Music Wizard

Fall 2018 CS 230 Final Project

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User's Manual

Welcome to *Music Wizard*, the Wizard knows your favorite piece of music that you probably don't know yet! All you need to do is answering a short series of seemingly irrelevant questions, and the Wizard will make a prediction of which piece of music is *the* hit for you! Before that piece of music is revealed, you could also choose to make guesses about the name of that song, and hints will be offered to guide you along the way! Have fun :)
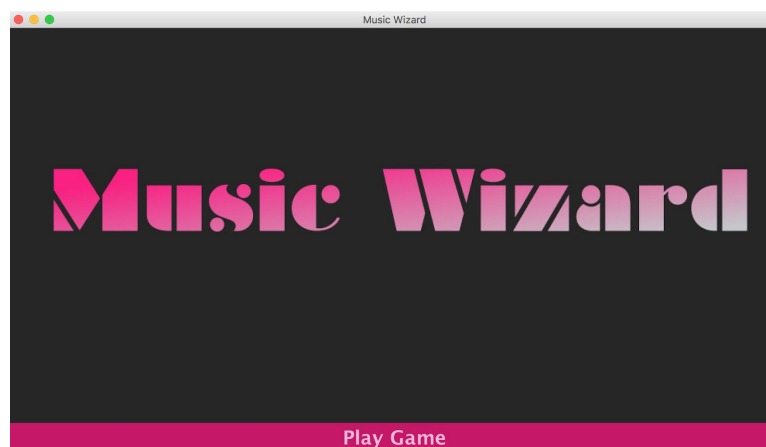
How to Play

Start by double clicking the BlueJ package and run the main method. You will see a box that looks like this. There's no need to input anything at this point --- just hit "OK"!
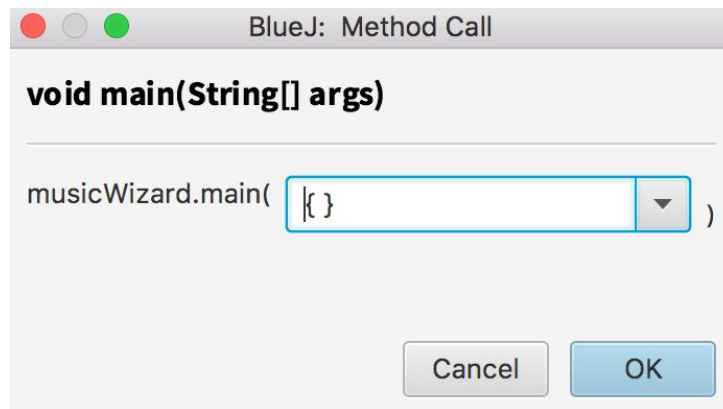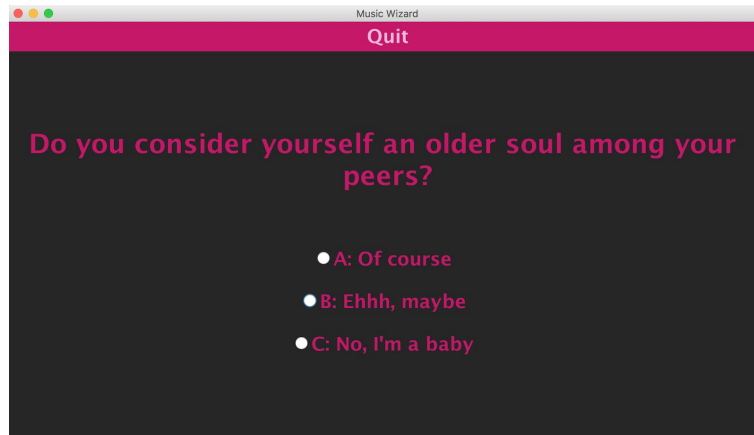

Landing Page
Get immersed in the world of Music Wizard, and hit "Play Game".

Question Page(s)

A series of questions will be asked by the program. Please choose one and only one of the three answers provided by clicking the radio button. If you lose your trust in the music wizard at any point, you can always quit the program by clicking the "Quit" button on the top.

Guessing Page(s)

1.

The Music Wizard won't ask you that many questions, and when you are done answering them, you are led to your result page like this. It seems that the music wizard is a little capricious --- it's not telling you your favorite piece directly! To know your matching song, you can hit the "Play" button, and then type in your guess where the Wizard prompts you.
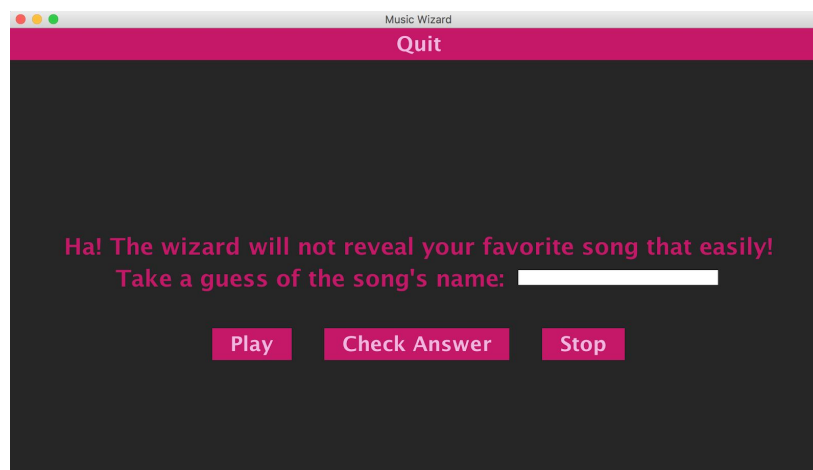
2.

If you are right, you will be directed to the last result page, if not, the Wizard will give you another hint other than letting you listen to the music. Based on the String of letters that the wizard gives you, which is an encrypted song title, you can take a second guess.
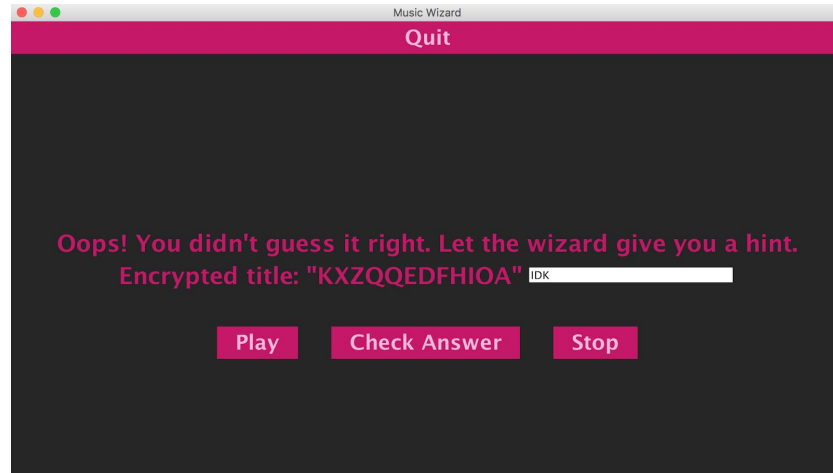
3.

You have three chances in total to guess the song name, and if you are wrong at the second chance with the encrypted title given, the wizard will give you the title printed backward as the final hint. Take the last chance!
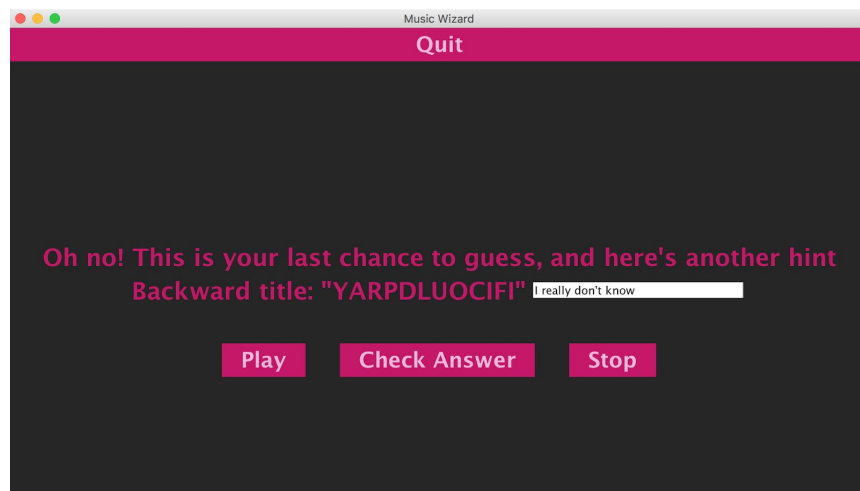
Final Page

The final result page will look like the image below. The wizard will finally give you the song title. You can choose to listen to the music more!

GUI Analysis

Colors:

#262626   #FC1681   #F0B9E0

Fonts: **Braggadocio**

For game and song title images

Britannic Bold

For general text

GUI Elements:

Button

Text Fields

⊙ **Radio**   ⊙ **B: Buttons**

Expert System Decision Tree

If you were to be put up for adoption, which parent do you choose for yourself?

- Takis
- Stella
- Jean

Takis

What kind of weather do you enjoy more?

- Heavy snow
- Heavy rain
- Hail

Heavy snow → If you are on an island alone, finding what will make you the happiest?
- knife and a lighter → Song Array 1
- Booz and comfort food → Song Array 2
- puppy! → Song Array 3

Heavy rain → Which of these options describe yourself the best?
- A perfect soul → Song Array 4
- An interesting mess → Song Array 5
- A mysterious creature → Song Array 6

Hail → If you were to be a creature in Harry Potter, which one do you want to be?
- Pixie → Song Array 7
- Sphix → Song Array 8
- Giant → Song Array 9

Stella

Do you consider yourself an older soul than your peers?
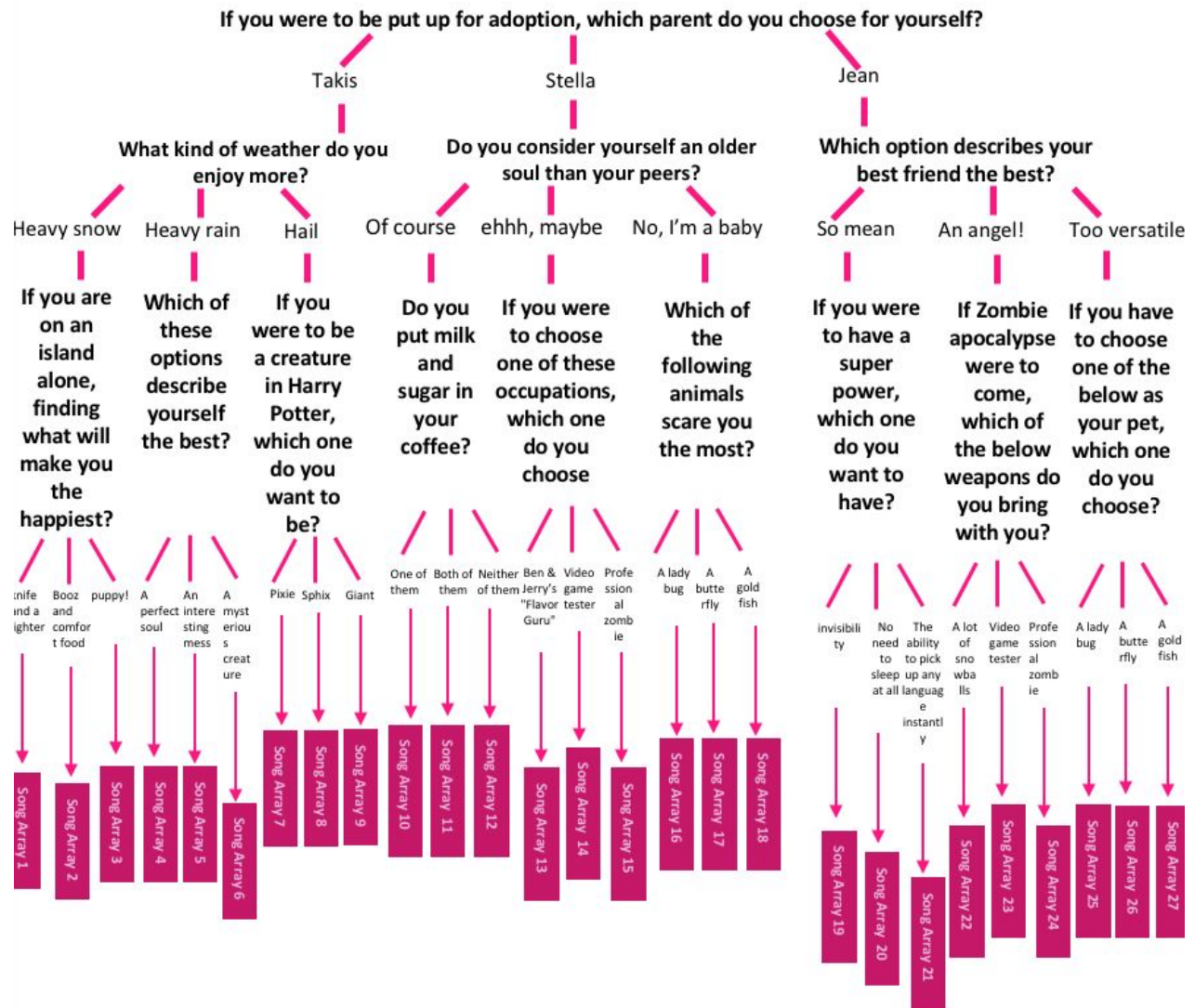
- Of course
- ehhh, maybe
- No, I'm a baby

Of course → Do you put milk and sugar in your coffee?
- One of them → Song Array 10
- Both of them → Song Array 11
- Neither of them → Song Array 12

ehhh, maybe → If you were to choose one of these occupations, which one do you choose
- Ben & Jerry's "Flavor Guru" → Song Array 13
- Video game tester → Song Array 14
- Professional zombie → Song Array 15

No, I'm a baby → Which of the following animals scare you the most?
- A lady bug → Song Array 16
- A butterfly → Song Array 17
- A gold fish → Song Array 18

Jean

Which option describes your best friend the best?

- So mean
- An angel!
- Too versatile

So mean → If you were to have a super power, which one do you want to have?
- invisibility → Song Array 19
- No need to sleep at all → Song Array 20
- The ability to pick up any language instantly → Song Array 21

An angel! → If Zombie apocalypse were to come, which of the below weapons do you bring with you?
- A lot of snowballs → Song Array 22
- Video game tester → Song Array 23
- Professional zombie → Song Array 24

Too versatile → If you have to choose one of the below as your pet, which one do you choose?
- A lady bug → Song Array 25
- A butterfly → Song Array 26
- A gold fish → Song Array 27

Expert System Random Song Generator

`Song Array1` [love yourself, taki taki, cold little heart]

`Song Array2` [taki taki,Strawberries and cigarettes, Despacito]

`Song Array3` [taki taki, lost stars, lullaby love

`Song Array4` [taki taki, left right left, love yourself]

`Song Array5` [taki taki, left right left,mask off]

`Song Array6` [taki taki, crazy, despacito]

`Song Array7` [taki taki, I like it, crazy]

`Song Array8` [taki taki, I like it, my love]

`Song Array9` [taki taki, I like it, California Dreaming]

`Song Array10` [Jolene, girl from ipanema, california dreaming]

`Song Array11` [Lullaby Love,girl from ipanema, california dreaming]

`Song Array12` [my love, Jolene, girl from ipanema]

`Song Array13` [california dreaming, i like it, high by the beach]

`Song Array14` [i like it, crazy, cold little heart,]

`Song Array15` [my love, lost stars, despacito]

`Song Array16` [lullaby love, left right left, my love]

`Song Array17` [lullaby love, done for me, if i could pray]

`Song Array18` [lullaby love, left right left, high by the beach]

`Song Array19` [Strawberries and cigarettes,my love, lost stars]

`Song Array20` [crazy, Strawberries and cigarettes, my love]

`Song Array21` [Despacito, Strawberries and cigarettes, my love]

`Song Array22` [Done for me, left right left, strawberries and cigarettes]

`Song Array23` [Strawberries and cigarettes, mask off, Jolene]

`Song Array24` [mask off, if I could pray, lost stars]

`Song Array25` [crazy, left right left, my love]

`Song Array26` [despacito, mask off, Strawberries and cigarettes]

`Song Array27` [Strawberries and cigarettes, crazy, cold little heart]

Thank You for Reading!

Thank you for reading the User's Manual! Hope you enjoy the music that Music Wizard picks for you :)

Project created and designed by Yaxin Liu 22', Vera Ye 21' and Lizao Wang 20' for CS230 Fall 2018 at Wellesley College.