Instructions

DONE Your survey should have 10 questions of your choosing. Each answer should be on a scale of 1 to 5 based on how much the user agrees or disagrees with a question.

DONE Your **server.js** file should require the basic npm packages we've used in class: express and path.

NEED TO TEST Your **htmlRoutes.js** file should include two routes:

DONE A GET Route to /survey which should display the survey page.

DONE A default, catch-all route that leads to home.html which displays the home page.

Your **apiRoutes.js** file should contain two routes:

A GET route with the url /api/friends. This will be used to display a JSON of all possible friends.

A POST routes /api/friends. This will be used to handle incoming survey results. This route will also be used to handle the compatibility logic.

You should save your application's data inside of **app/data/friends.js** as an array of objects. Each of these objects should roughly follow the format below.

{

"name":"Ahmed",

"photo":"https://media.licdn.com/mpr/mpr/shrinknp\_400\_400/p/6/005/064/1bd/3435aa3.jpg",

"scores":[

5,

1,

4,

4,

5,

1,

2,

5,

4,

1

]

}

Determine the user's most compatible friend using the following as a guide:

Convert each user's results into a simple array of numbers (ex: [5, 1, 4, 4, 5, 1, 2, 5, 4, 1]).

With that done, compare the difference between current user's scores against those from other users, question by question. Add up the differences to calculate the totalDifference.

Example:

User 1: [5, 1, 4, 4, 5, 1, 2, 5, 4, 1]

User 2: [3, 2, 6, 4, 5, 1, 2, 5, 4, 1]

Total Difference: 2 + 1 + 2 = 5

Remember to use the absolute value of the differences. Put another way: no negative solutions! Your app should calculate both 5-3 and 3-5 as 2, and so on.

The closest match will be the user with the least amount of difference.

Once you've found the current user's most compatible friend, display the result as a modal pop-up.

The modal should display both the name and picture of the closest match.

Reminder: Submission on BCS

Please submit both the deployed Heroku link to your homework AND the link to the Github Repository!

Hosting on Heroku

Now that we have a backend to our applications, we use Heroku for hosting. Please note that while Heroku is free, it will request credit card information if you have more than 5 applications at a time or are adding a database.

Please see Heroku’s Account Verification Information for more details.

See the Supplemental Heroku Deployment Guide for in-detail deployment instructions.