Triple A
User Manual

USA Tourist Companion

Desktop App

Version 1.00, January 2021

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What Triple-A Do?

Triple-A is a Desktop Application running on both mac and windows operating systems.

<mark>Goal</mark> - A Tourism Companion to the average tourist in the USA. we offer a wide database of most likely best points of interest all around the USA.
The idea is to give the user as much information as possible regarding the place he found using our database and external sources.

<mark>Features</mark>
1. **Search places in specific state and city**
2. **Custom Search - choose what to search , out of our many categories and subcategories.**
3. **Rich detail place info tab - google map link and search, description from wikipedia etc.**
4. **Save Your Favorite Places! (Registered users only)**
5. **Help Us Grow - Rank places and add places from your own experience (Registered users only)**

Launching The App

If we will succeed to create exe file [in the process of creating exe for our python app we steel face upon Multiple difficulties in terms of how to integrate thing like pictures and the configuration.txt file into the exe file, apparently it's not so easy to do in python] pases 3-4 are relevant else see below the instruction of launching the app via PyCharm IDE.

here are instructions to launch the app properly:
1. make sure database server is activated
2. enter project root folder "team33"
3. locate file "TrpileA.exe"
4. double click the exe file
5. enjoy!

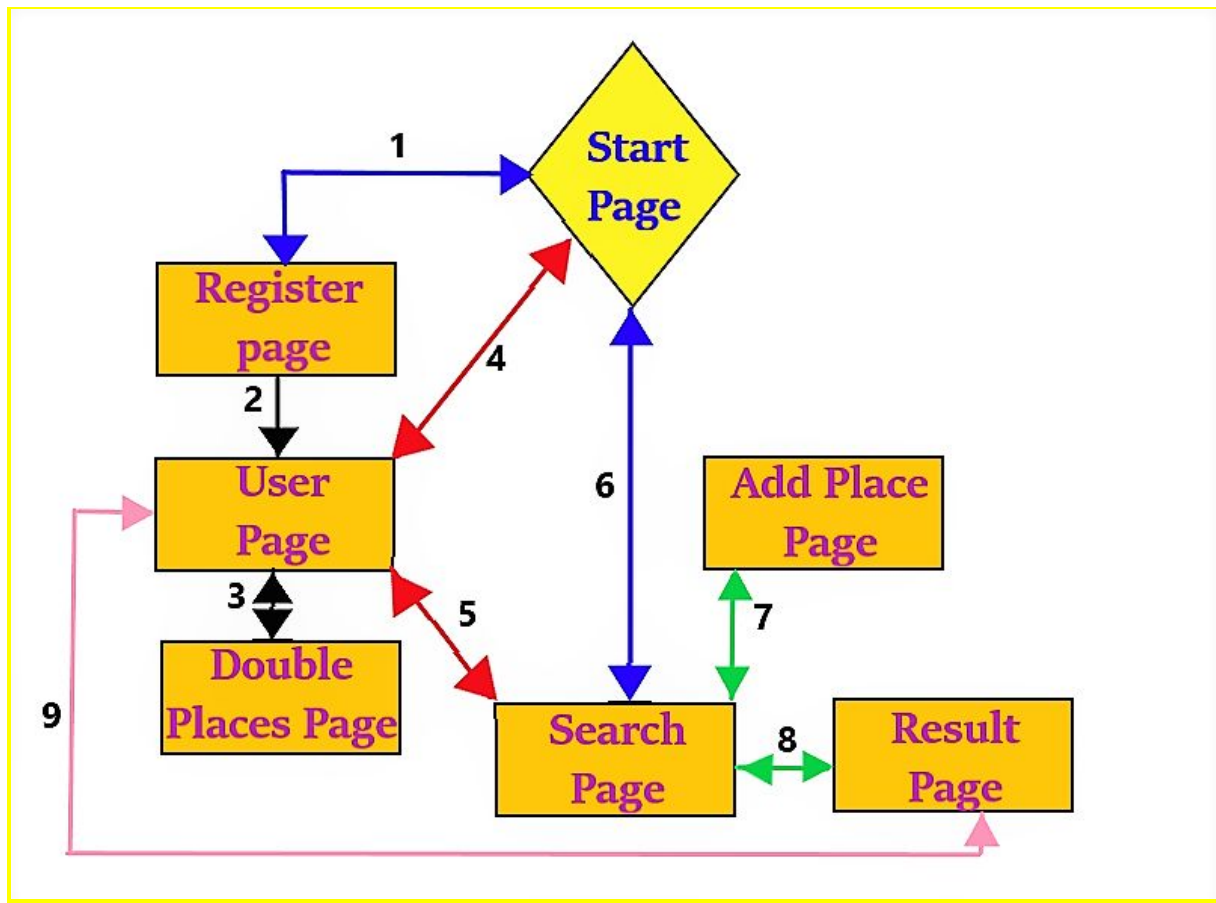# Launching The App via PyCharm IDE

1. enter project root folder "team33"
2. make sure that the details in the file configuration.txt are as follow:

```
 host=localhost
database=team33
user=team33
password=0033
```

3. go to the folder Core and double click on ControllerView.py
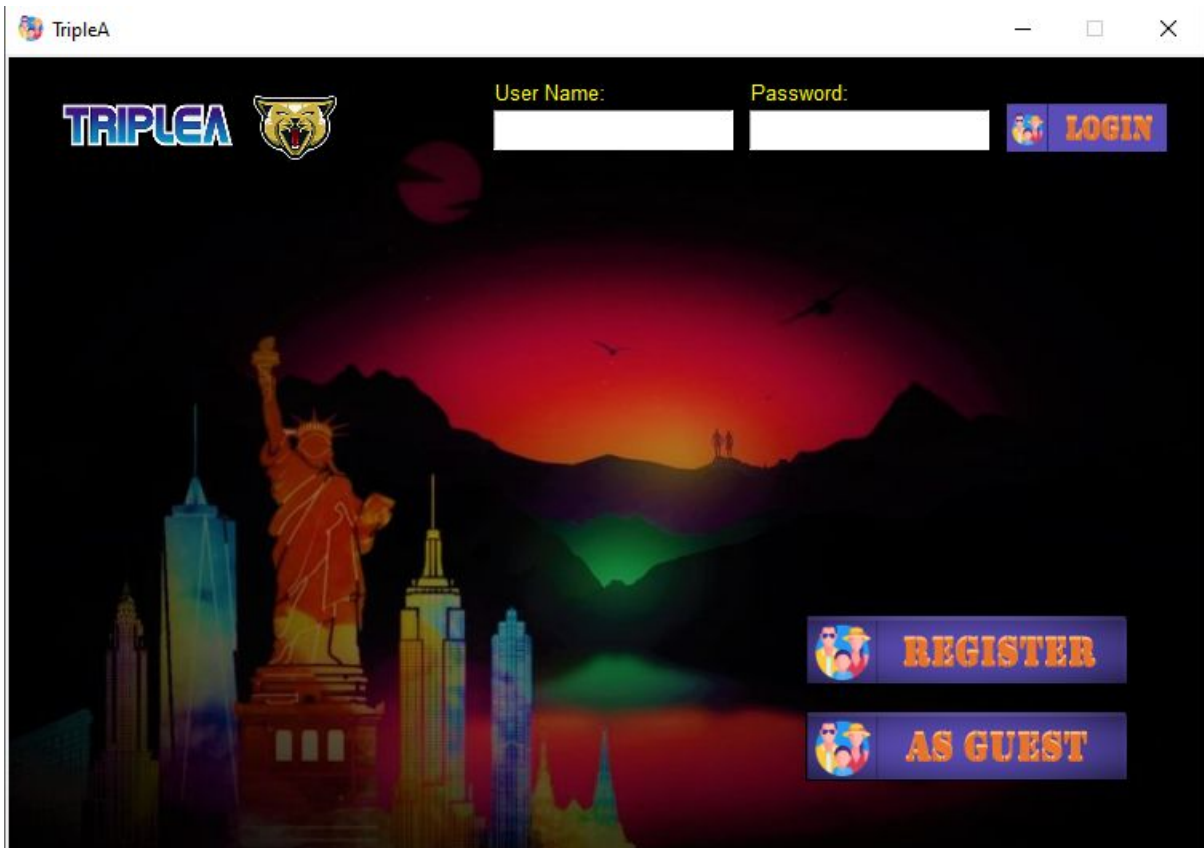4. press the run button
5. enjoy!

Screenflow

you can find more information about this screen flow in our documentation file. every square above has its own screen and in each and every screen it is possible to go into different other screens and go back according to the above diagram.

Start Page

Screen Shot:

This is the first screen that you will see after launch.

You have 3 options:

1. **Login - If you are an existing member, log in with your username and password.**

2. **Register - If this is your first time using Triple-A , Register to our database in order to enjoy nice features such as:**
   a. **Save places**
   b. **Rank places**
   c. **Nearby places algorithm**

3. **As Guest - If this is your first time and you still don't want to register, you can continue to 'search page' as a guest. notice that you will not be able to save and rank places. in this option you will proceed directly to the search page (not user page).**

Registration Page

Screen Shot:

here you will have to fill the form of registration and click "Register".
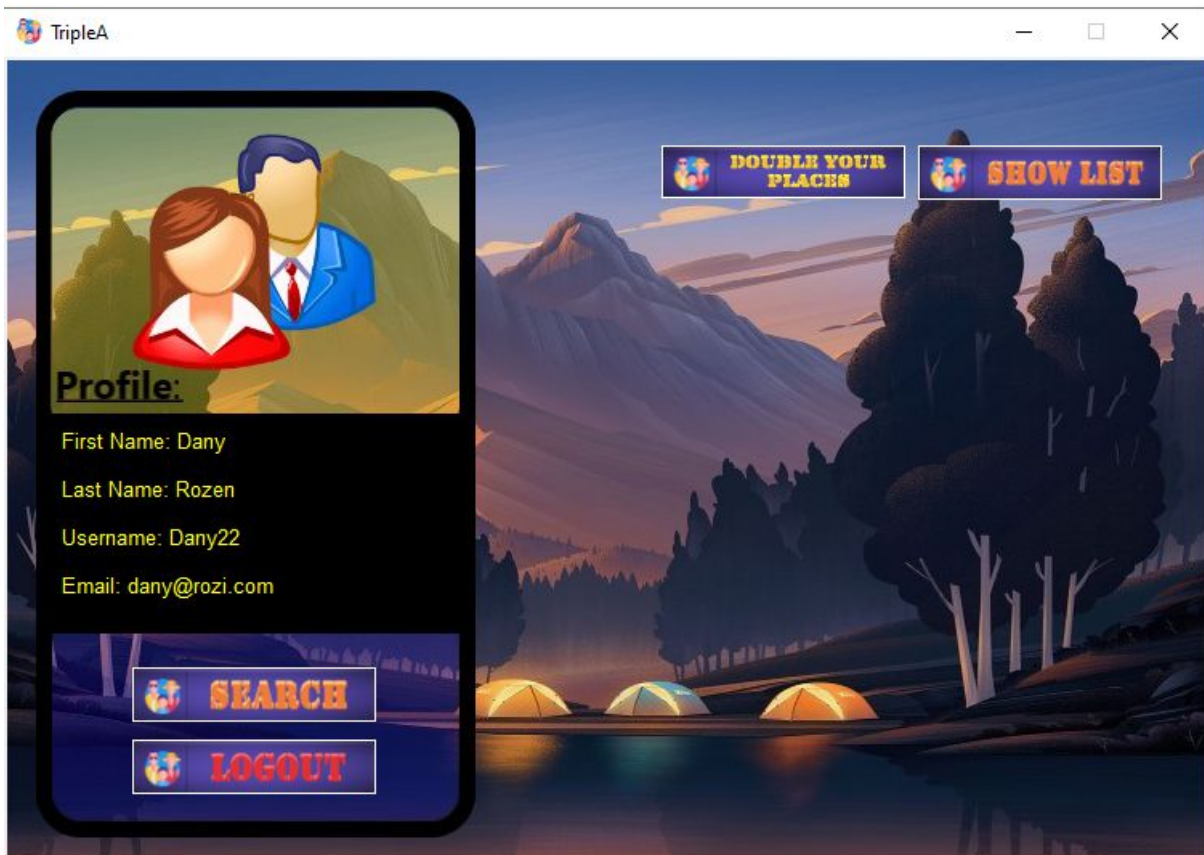
please notice the blue "Note here!" mark.

==password== - your password should have at least 6 chars.

==username== - if you will choose a username that is already taken we will let you know.

User Page

Screen Shot:

This is the user home page. Here are some actions you can take.

1. **Search** - **pressing on search will let you enter our search engine - there you will be able to start searching your places. For more details please check - Search Page in this document.**

2. **Log-Out** - **by pressing this button you will be logged out of the system and returned to the Start Screen of the Application.**

3. **Double Your Places** - **by pressing this button you will activate a machine learning algorithm that will find for you places that are most likely to match your previews saved places on your list (see more details in this part of manual).**
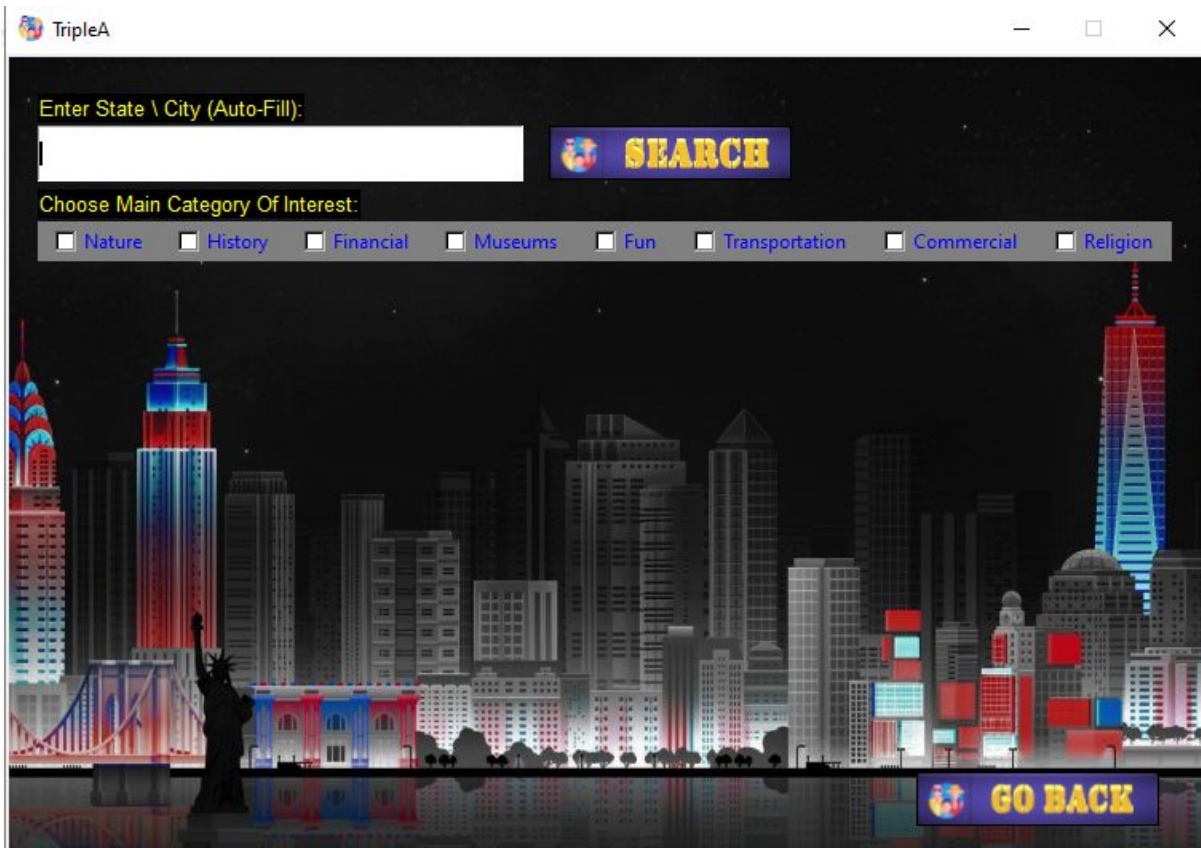
4. **Show-List** - pressing this button will show you your favorite places that you saved as a user in our system. for example:
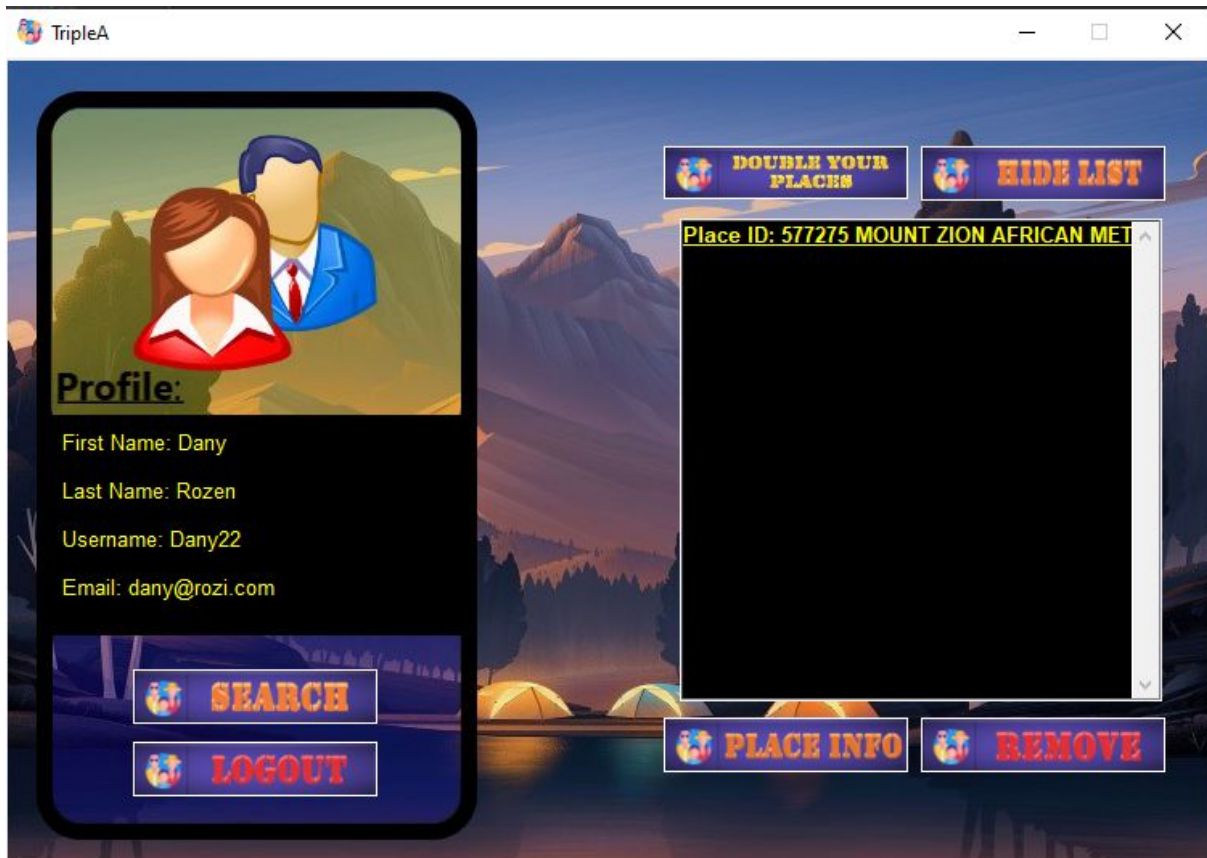
Now you can either remove a place from your list or press "Place Info" to get all information about this place (on a separate page).

Search Page

Screen Shot:

How To Search Places?

In order to search for places you will need to follow this steps:

1. **Enter the first letter of the state you want (or the full state name) for example:**

2. **Press "Down, UP" Arrow Key** on the Keyboard to move to your desired State, City row.
3. **Press "Right" Arrow Key** in the Keyboard to select.
4. **Choose one or more from our main categories for search**
   a. **inside each main category choose your sub categories.**
   b. **Be aware! not choosing any sub category inside a main category will search all of the sub categories in the main category.**
   c. **not choosing main categories at all will search in all the categories and subcategories.**
      Example:

5. **Press Search.**
6. **Now you will see the results of the search like this:**

Enter State \ City (Auto-Fill):

New York, New York   **SEARCH**

Choose Main Category Of Interest:

☐ Nature ☐ History ☐ Financial ☐ Museums ☐ Fun ☐ Transportation ☐ Commercial ☐ Religion

```
Place ID: 8168 WALDORF-ASTORIA HOTEL
Place ID: 8460 HOTEL 31
Place ID: 8461 EDISON
Place ID: 8470 WOLCOTT
Place ID: 8486 HOTEL 17
Place ID: 8564 CITY CLUB HOTEL
Place ID: 8612 HOWARD JOHNSON EXPRESS INN SOHO - MANHA
Place ID: 8621 LE PARKER MERIDIEN NEW YORK
Place ID: 8691 W NEW YORK TIMES SQUARE
Place ID: 8731 THE SHERRY NETHERLAND
Place ID: 8763 HOTEL CHANDLER
Place ID: 8864 THE WALL STREET INN
Place ID: 8877 HOTEL DEAUVILLE
Place ID: 8992 HOTEL RIVERSIDE STUDIOS
Place ID: 9288 PARK SOUTH HOTEL
Place ID: 9336 BROADWAY HOTEL AND HOSTEL
```

In the country and city you searched
for, the following data exists in our database
(Number of places available of any kind):

```
7 places of Monument
82 places of Hospital
904 places of Hotel
4 places of Mall
141 places of Restaurant
19 places of Post Office
22 places of Theatre
1 places of Stadium
1 places of Golf
2 places of Amusement Park
363 places of Park
7 places of Lake
```

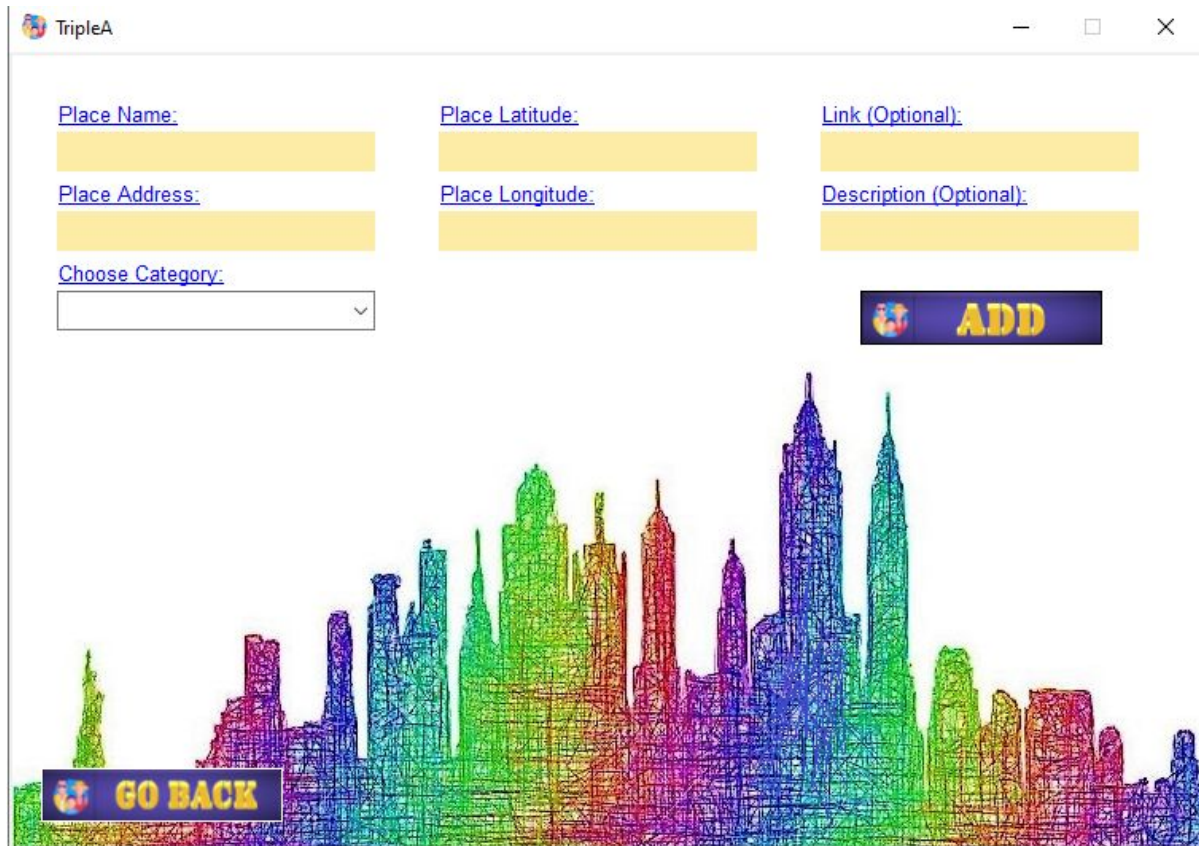on the left side there will be a scrollable list with all the results for your category filters.

on the right you will get the statistics - how many places grouped by category in the specific location you chose are available in our database.

7. pick one place you would like to see its info with more details.

8. click "Place Info"

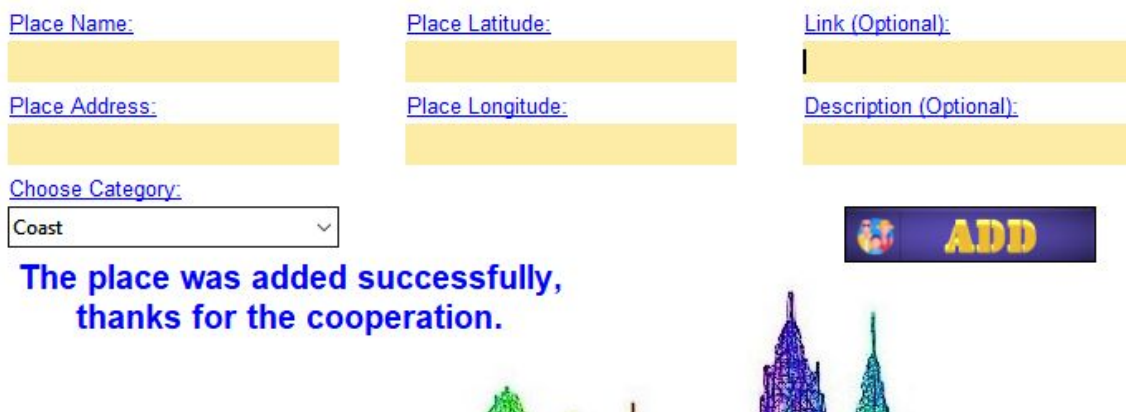9. the app will move to this location information page (see more details in Info Page)

***if there is a place that you expected to find and it did not come up on the search please feel free to contribute the database of the app and click add place button this button will appear after the search results show.

Add Place Page

Screen Shot:

if you want to contribute to our database from your own experience, please fill this form with the requested fields. after hitting the ADD button you will receive this message

Result Page

Screen Shot:

in this page you will get to see all the details of your chosen place.

Basic Information:

1. **Name** - from database
2. **Main Category** - one of 8 main categories we have
3. **Sub Category** - the suitable subcategory
4. **State** - from database
5. **City** - from database
6. **Address** - from database
7. **Description** - filled from wikipedia by api

Additional Features:

1. **Google Map Button - will direct you to the browser with the place pinned on Google Map.**
2. **Google Search Button - will direct you to the browser with google search result of that place.**
3. ***Rank Place - give a rank between 1-10 to this place.**
4. ***Save Place - add this place to your personal list.**

- ***you must be registered in order to have these features.**

Double Places Page

Screen Shot:
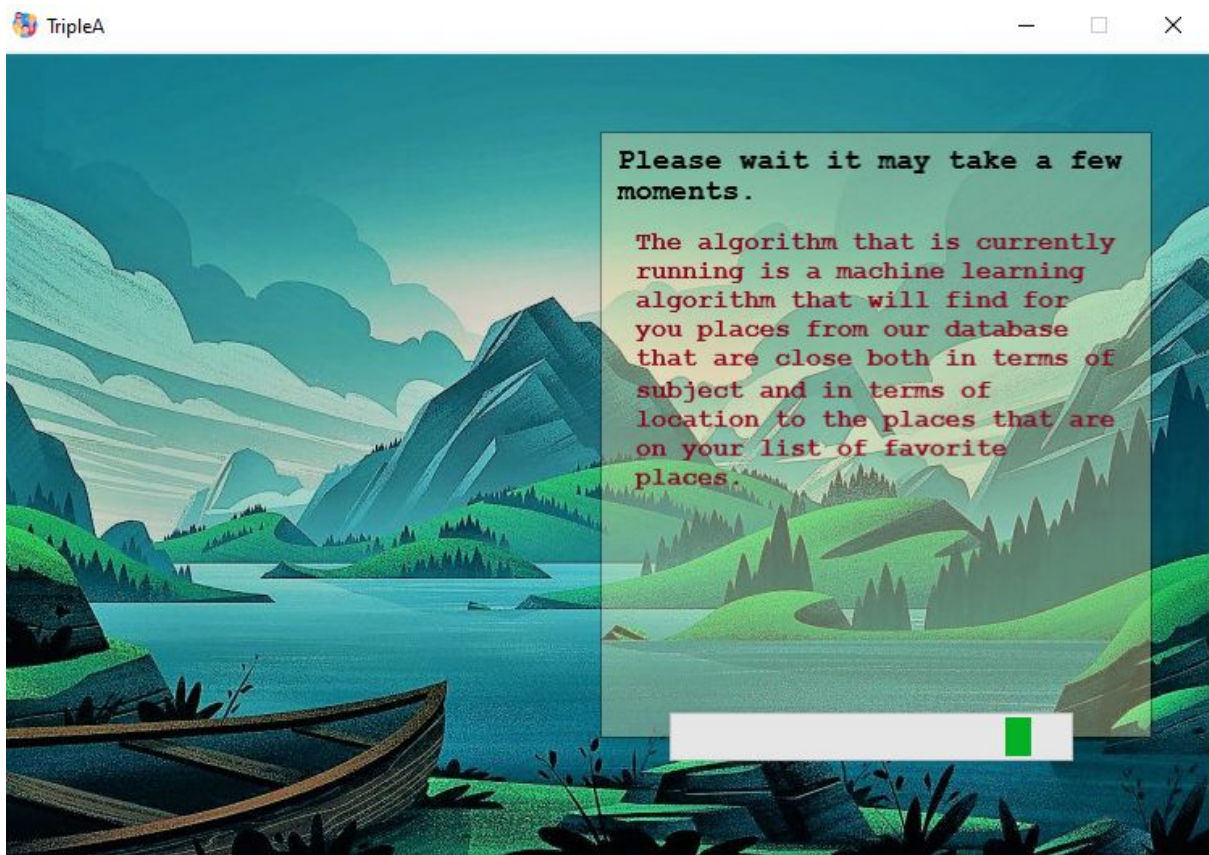
if you pressed the "Double Your Places" Button in User Page, you will be redirected to this loading screen and now you should wait a few moments until our algorithm finds you more matches based on your previous saved places.
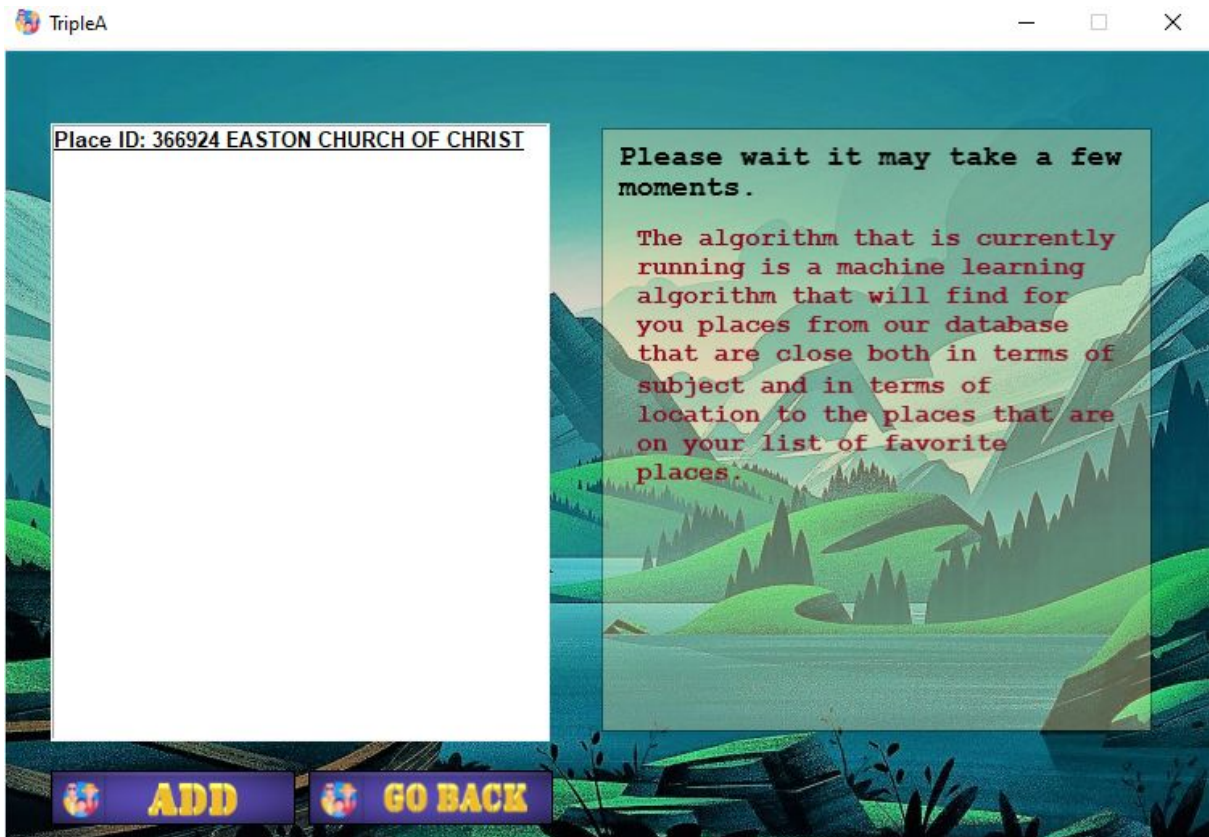
eventually you will see your new place suggestions in a list box like in the screen above.