

A Mini Project Report on
TRIVIA
(Photography Website)

T.E. I.T Engineering.

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CERTIFICATE

This to certify that the Mini Project report on **AQI TRACKER** has been submitted by **VAISHNAVI BHALERAO (21204007)**, **MAYURESH KALKAR (21204010)** and **PALLAVI TAMBE (21204001)** who are a Bonafide students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2022-2023** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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ABSTRACT

Trivia is a photography website designed for users to search any image with great quality. Trivia also enables user to upload images. Trivia is an image sharing and image downloading service designed to enable viewing and discovery of information over the internet using images. Over the past decade, social network sites have become places for people to find images. What drives activity on Trivia? Most prior work infers a single high dimensional embedding to represent a user, which is a good starting point but falls short in delivering a full understanding of the user's interests. In this work, we introduce filters where user can filter search through some particular field and domain and this rich representation of users to provides high quality personalized recommendations. Image classification Is very important today because content of the image should be recognized effectively. Trivia also enable image classification where any image can be classified according to its content. User can upload and image and can just get to know about its content through one click. Trivia gives user-friendly interface and it is very easy to use. Trivia is more of a search engine than a social media site because it Allows users to stumble upon unique pieces of new information. Trivia also gives feature for user to create his own account and login details will be stored in database.

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Chapter 1

1. Introduction

Trivia is a Photography website for sharing and categorizing images found online. In this ever-changing sea of social platforms, it is difficult to decide which social platforms you should be involved with. So trivia comes with filters and classifiers where user can filter through particular images. Images are classified with particular domain. Image classification is very important because it can help user to detect type of or content of the image.

In Trivia user can also login and upload images. Login details will be stored in a database.

In Trivia user can classify images and he can upload his idea through photos. Trivia requires brief descriptions but the main focus of the site is visual. Clicking on an image will take you to the original source. Users can browse or search for image content and can follow the boards of other users and can “like” or repine other users’ pins.

Trivia is more of a search engine than a social media site because it all Allows users to stumble upon unique pieces of new information.

1.1 Purpose

Trivia is a visual Photography site that allows people to collect and organize photos, and other forms of content according to specific areas of interest. Think of it like an online scrapbook. You view photos by searching them online.

➤ Purpose of Trivia:

- Image Classifier
- Large user base
- Visual platform
- Photo Journals
- Differentiated Learning
- Uploading Images

1.2 Problem Statement

- Frequent Glitches

If the network is not strong Api images wont load.

- Database Error

Sometimes logging out and logging back in fixes the problem, and sometimes switching from the app to website or vice versa works. I seriously just leave it alone for a few hours and it's all better.

- API Problem

When we fetch image API in project we can face the error – sometime image loading problem, image not found this type of problem.

- Stolen Pins

One of the major problems with Trivia (seriously!) is stolen pins. This happens when people go onto Trivia, choose a pin they like, and change the URL where the pin directs traffic. These stolen pins frequently redirect to spam sites. Trivia does take this problem very seriously, but they haven't figured out how to solve it. Therefore, we couldn't implement the pin in Trivia.

1.3 Objectives

- To sign in and user can create his own account
- To enable classifiers
- To enable filters
- To create user friendly interface for our website.
- To develop a system to enable the user to share photos easily.
- Trivia improves to add your different ideas.

1.4 Scope

Scopes are the permissions your users have granted to your app to act on their behalf within Trivia.

- User will be able to login.
- User will be able to view photos.
- Pictures can be used to set as wallpaper and store the pictures.
- User can upload their own collection of photos.
- User will be able to classify images.
- User will be able to filter through images.

Chapter 2

Literature Review

Image classification is a method to classify way images into their respective category classes. Image classification refers to the task of extracting information classes from a raster image. The resulting raster from image classification can be used to create thematic maps. The classification process is a multi-step workflow, therefore, the Image Classification toolbar has been developed to provided an integrated environment to perform classifications with the tools. Art Photo Index (API) is a visual index of important art and documentary photographers, their images and their websites from throughout the world. The photographers included in Art PhotoIndex have been selected as a result of their accomplishments in the art or documentary photography field. Find photo essays, slideshows, and featured galleries of images. Includes journalism photography and user-generated content.

A photo blog created by a select group of picture editors of The Boston Globe. Highlights high-quality, amazing imagery, with a focus on current events. The large-format photos are a pleasure to review.

The collections of the Prints & Photographs Division include photographs, fine and popular prints and drawings, posters, and architectural and engineering drawings. While international in scope, the collections are particularly rich in materials produced in, or documenting the history of, the United States and the lives, interests and achievements of the American people.

Magnum Photos represents some of the world's most renowned photographers.

The photographic slideshows with audio accompaniment are the strength of the New York Times multimedia section. Also find up-to-the minute coverage of news and sports stories.

Chapter 3

Proposed System:

There are many forms of social media, including blogs, micro-blogs, wikis, social networking sites, photo-sharing sites, instant messaging, video-sharing sites, podcasts, widgets, virtual worlds, and more.

Trivia focuses on searching images over the internet. With the help of an API trivia fetches information (especially photos). User can share his/her ideas through different images. User login details will be stored in a database. It is a system where user will be able to upload images easily and can also search images of his/her choice.

Login system-User will be able to login or create his own account.

Search Images-User can search any image of his need.

Image Classifier

Image Filter

3.1 Features and Functionality

Trivia is a great opportunity for improving your research and taking it to the advanced heights. There are several benefits of Trivia for business that can help you in growing your business by getting different ideas.

- Trivia is absolutely free to use, which means you can endlessly share your content to create awareness about your business or service.
- Login system.
- Search multiple images.
- Show profile.
- Image classifier
- Image filter
- It is very & simple to use.

Chapter 4

Requirements Analysis:

- **Performance Requirements**

The load time for the user interface screen should take no longer than 5 seconds.

.

- **Design Constraints**

The application should be able to run on any Pc or Laptop.

- **Availability**

The application should be available at all times whenever user wants to use.

Hardware requirements

- **RAM**

The application requires a device with a minimum of 512MB RAM while running.

- **Processor speed**

The application requires a device with a minimum processor speed of 1GHz while running.

Software requirements

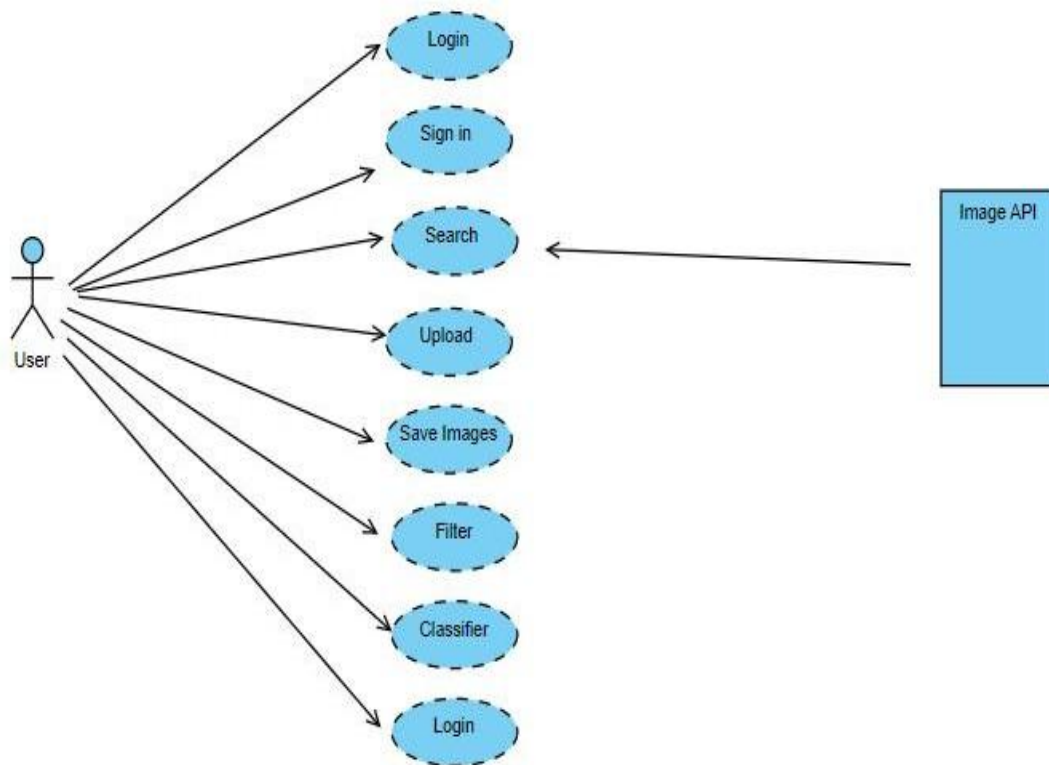
- **Operating system**

The application must run on any Operation System

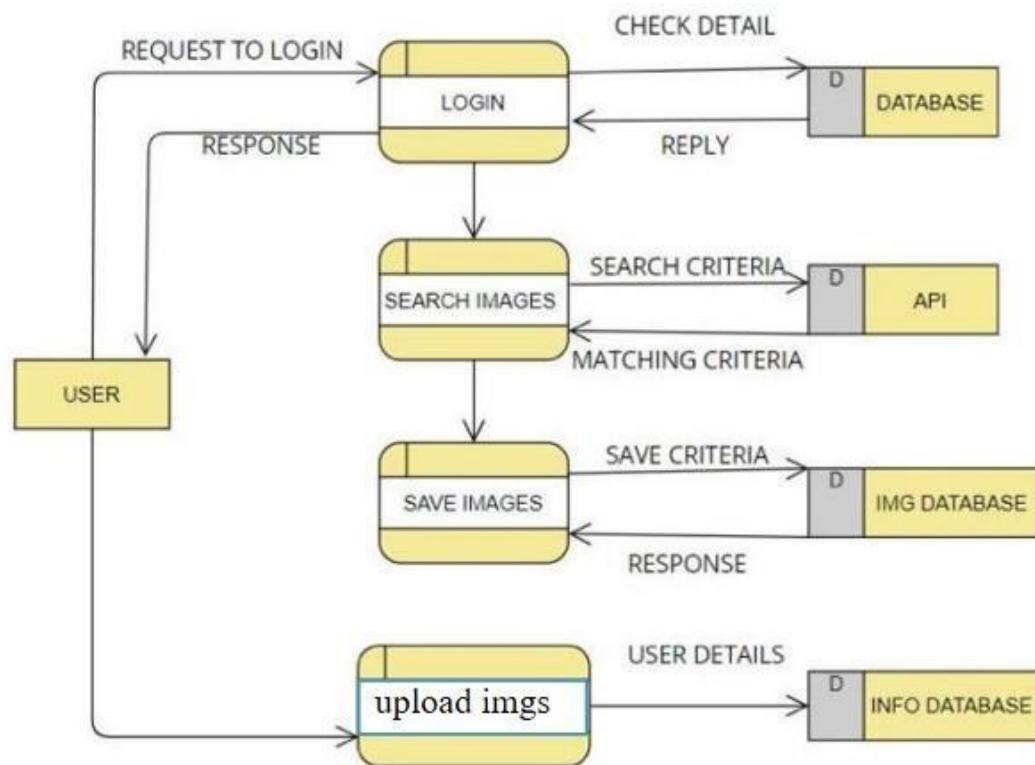
Chapter 5

5. Project Design

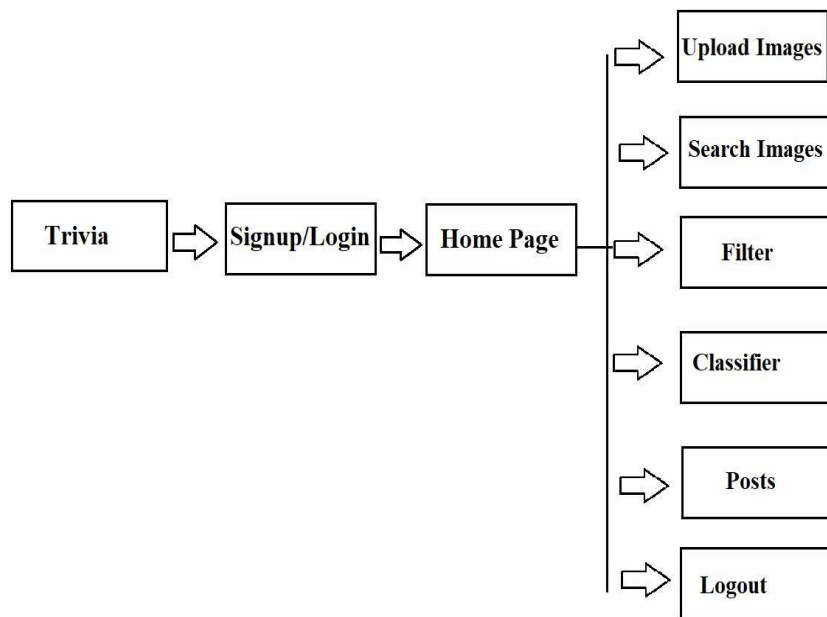
5.1 Use Case Diagram



5.2 DFD Diagram



5.3 System Architecture



Chapter 6

Technical Specification:

Frontend: Html, CSS, JavaScript

As a web developer, the three main languages we use to build websites are HTML, CSS, and JavaScript. JavaScript is the programming language, we use HTML to structure the site, and we use CSS to design and layout the web page. These days, CSS has become more than just a design language, though. You can actually implement animations and smooth transitions with just CSS.

OS: Windows

Windows is a graphical operating system developed by Microsoft. It allows users to view and store files, run the software, play games, watch videos, and provides a way to connect to the internet. It was released for both home computing and professional works.

Backend: Firebase

With React, you can connect to and manipulate databases. Firebase is the most popular database system used with react. The data in a firebase database are stored in tables. A table is a collection of related data, and it consists of columns and rows. Databases are useful for storing information categorically

Chapter 7

Project Scheduling:

GANTT CHART TEMPLATE

Smartsheet Tip → A Gantt chart's visual timeline allows you to see details about each task as well as project dependencies.

Photography Website
Sonal Bapande

INSTITUTE & DEPARTMENT AP SHAH INSTITUTE OF TECHNOLOGY (Information
DATE 10-14-22

[illegible]

Chapter 8

Implementation

Code: Classifier

```
40 finalPrediction = {}
41
42 strPrediction = str(prediction)
43 strPrediction = strPrediction.replace('[', '')
44 strPrediction = strPrediction.replace(']', '')
45
46 Daisy = ""
47 Dandelion = ""
48 Rose = ""
49 Sunflower = ""
50 Tulip = ""
51
52
53 strLen = len(strPrediction)
54 count = 0
55
56 for x in range(strLen):
57     if strPrediction[x] == " " and strPrediction[x+1] != " ":
58         print("hello")
59         count += 1
60     if count == 0:
61         Daisy += strPrediction[x]
62     elif count == 1:
63         Dandelion += strPrediction[x]
64     elif count == 2:
65         Rose += strPrediction[x]
66     elif count == 3:
67         Sunflower += strPrediction[x]
68     else:
69         Tulip += strPrediction[x]
70
71 finalPrediction["Daisy"] = str(round(float(Daisy.strip()),5) * 100) + "%"
72 print(finalPrediction)
73 finalPrediction["Dandelion"] = str(round(float(Dandelion.strip()),5) * 100) + "%"
74 print(finalPrediction)
75 finalPrediction["Rose"] = str(round(float(Rose.strip()),5) * 100) + "%"
76 print(finalPrediction)
```

Chapter 9

Result and Discussion

Trivia is an image sharing and social media service designed to enable saving and discovery of information on the internet using images.

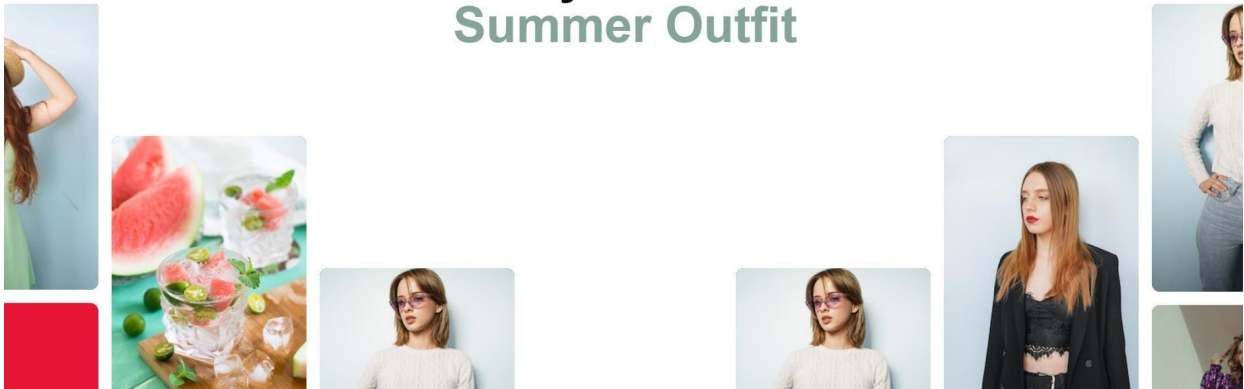
Trivia is a photography website where user can create his/her account and upload photos.

Trivia

Search

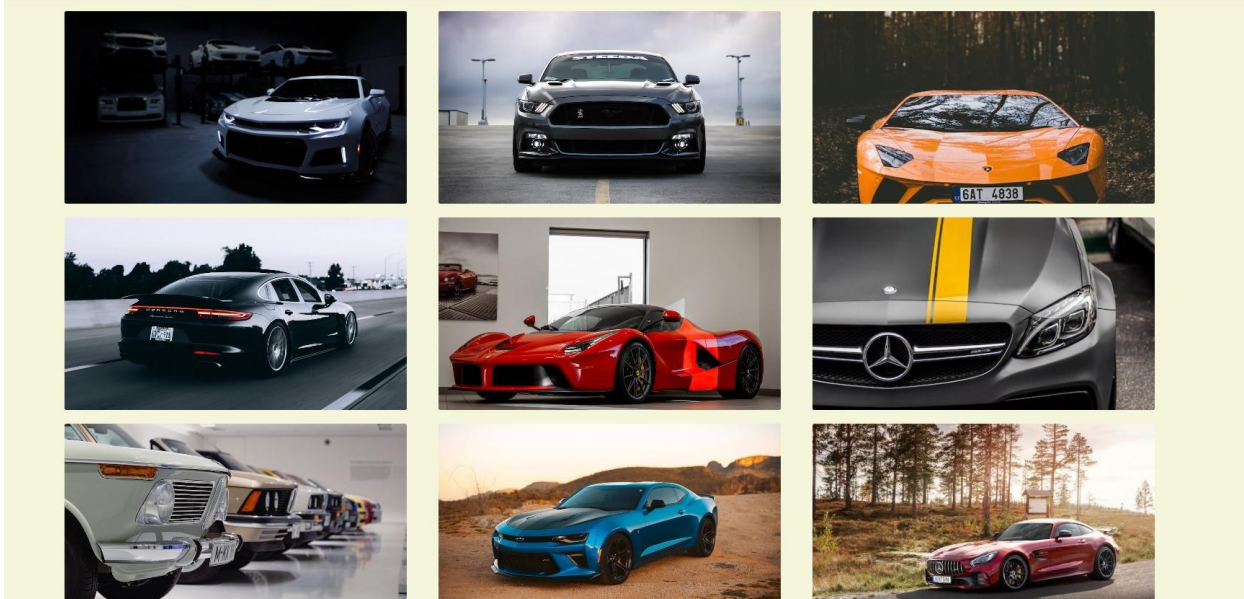
Sign up

Get your Next Summer Outfit



Trivia

cars



Login Form

Email Id

vaishnavibhalerao@gmail.com

Password

.....

[Forgot Password](#)

LOGIN

SIGN UP

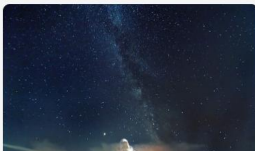
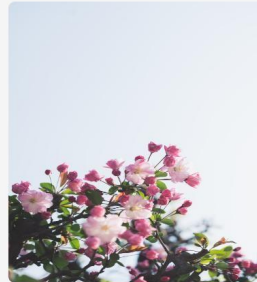
All

NATURE

QUOTES

ANIMALS

CAR



Hello, vaishnavibhalerao@gmail.com

Upload Your Images



Filters

Classifier



FlowerClassifier

Results:

- Daisy : 0.0%
- Dandelion : 0.0%
- Rose : 100.0%
- Sunflower : 0.0%
- Tulip : 0.0%

FlowerClassifier

File Upload

Choose File corporate.jpg

Submit

Chapter 10

Conclusion and Future Scope

Trivia is a photography website where user can create his/her account and upload photos.

User can also view photos.

In future, we could add the uploading and downloading videos feature.

Communication with other users.

Adding any photo to your wishlist.

To Add notification feature.

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