

Seek Summarizer

*A Project Report
Submitted in partial fulfillment of the
Requirements for the award of the Degree of*

BACHELOR OF ENGINEERING

IN

INFORMATION TECHNOLOGY

By

P.ABHILASH (1602-18-737-002)

N.LOKESH (1602-17-737-022)

K.SRI VALLI(1602-18-737-050)

Under the guidance of

Ms S. Sreelakshmi



Department of Information Technology

Vasavi College of Engineering(Autonomous)

Affiliated to Osmania University and Approved by AICTE

Ibrahimbagh, Hyderabad-500031

Department of Information Technology
Vasavi College of Engineering(Autonomous)
Affiliated to Osmania University and Approved by AICTE
Ibrahimbagh, Hyderabad-500031



DECLARATION BY THE CANDIDATES

We, **P.Abhilash, N.Lokesh, K.Sri Valli** bearing hall ticket number , **1602-18-737-002, 1602-18-737-022,1602-18-737-050** hereby declare that the project report entitled **“Seek Summarizer”** under the guidance of Ms.S.**Sreelakshmi**, Professor, Department of Information Technology, Vasavi College of Engineering, Hyderabad, is submitted in partial fulfillment of the requirement of MINI PROJECT of VI semester of **Bachelor of Engineering in Information Technology**.

This is a record of bonafide work carried out by us and the results embodied in this project report have not been submitted to any other university or institute for the award of any other degree or diploma.

P.ABHILASH (1602-18-737-002)

N.LOKESH (1602-17-737-022)

K.SRI VALLI(1602-18-737-050)

Department of Information Technology
Vasavi College of Engineering(Autonomous)
Affiliated to Osmania University and Approved by AICTE
Ibrahimbagh, Hyderabad-500031



BONAFIDE CERTIFICATE

This is to certify that the project entitled “ **Seek Summarizer** ” being submitted by **P.Abhilash, N.Lokesh, K.Sri Valli** bearing hall ticket number , **1602-18-737-002, 1602-18-737-022,1602-18-737-050** in partial fulfillment of the requirements for the completion of MINI PROJECT of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Ms S. Sreelakshmi

Professor

Internal Guide

Dr. K. Ram Mohan Rao

HOD, IT

ACKNOWLEDGEMENT

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ABSTRACT

We watch many videos or read many articles in our day to day life. But it is not every day that we have enough time or sufficient resources to view these videos completely. We would have wanted to view a video that was 3 hours long, but there would not have been enough time to watch it completely. Similar would have been the case with articles. So, in those cases, what we wish is for attaining the key points that are discussed throughout the video/article. When you search for a topic it recommends you the top 10 videos on that topic and you can see the summarized text of that video. You can also read articles on different topics and the summarized text of that topic.

The main purpose of our web app "Seek Summarizer" is to generate a text based on what is being said in the video or obtain the text that is there in an article, summarize the whole text into a paragraph which contains the key points and displays it to the user. It also provides other options to the users such as checking their history and checking the summaries that were viewed by other users.

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CHAPTER 1

Title and Description

Seek summarizer is a web application which is developed to generate a summary based on the entered video link, article link or a text. When given a topic it recommends you the top 10 videos on that topic and you can see the summarized text of that video. You can also read articles on different topics and the summarized text of that topic.

1.1 Motivation

During exams, many students browse YouTube for educational content like NPTEL videos, or view any articles. But we don't have sufficient time to watch all the details covered in this. Our Web Application "Seek Summarizer" helps to read the summarized text (Which marks only important points) of a video/article instead of watching/reading everything.

CHAPTER 2

SOFTWARE REQUIREMENT SPECIFICATION

2.1 Introduction

2.1.1 Purpose

Basic Description of Problem:

There are countless occurrences where we had wished to see a documentary or an educational video or an article, but could not complete it because of the duration of the video. We could save time by watching it at double the speed but it only reduces the watch time by half. We are seeking for a solution where we can grasp the key points of the video/article without watching it completely.

2.1.2 Scope

With the growing digital media, we do not have enough time to go through the entire video or text or articles. This project aims to create a website where on pasting the URL of the video, it gives the summarized version of the video containing the key points in a text format.

2.1.3 Definitions, Acronyms, and Abbreviations

API: Application Programming Interface

2.1.4 Overview

This specification includes a brief product perspective and a summary of the functions the software will provide. User characteristics are discussed and any general constraints or assumptions and dependencies. Requirement statements are categorized as functional requirements, performance requirements, non-functional requirements, or design constraints. Functional requirements are further categorized in terms of modules for different

functionalities that the project offers. Non-functional requirements are further categorized in terms of security, maintainability, and scalability.

2.2 General Description

2.2.1 Product perspective

Seek summarizer provides users to enter text or url and convert it into summarized text in required number of lines. The current design goal is to achieve the functionality outlined in this specification.

2.2.2 Product Functions

Seek summarizer allows users to read the summarized text of a video, articles, download the summarized text.

2.2.3 User Characteristics

User:

- Create an account/login to an existing one.
- Enters text or paste a URL and enters the required number of lines.
- Converts the text or article or video into summarized text.
- Display and saves the summary
- Gives the feedback to the admin
- Logout.

Admin:

- Administrates proper working of the web application.
- Responsible for maintaining and updating the website.
- Understands the feedback and responds to it.
- Has access to the database.

2.3 MODULES DESCRIPTION

- **Articles**

The users can read different articles on different topics like Education, Sports, Health, etc. and can read the summarized text of that topic. They can also paste the article link and get the result

- **YouTube Search**

Here you can search for a topic and it recommends top 10 videos on that topic and you can view the summarized text of that video. They can also paste the video id and get the result

- **Text Summarizer**

Here you can paste the text in the text area and you can view and download the summarized text in the required number of lines.

2.4 SYSTEM REQUIREMENTS

2.4.1 Hardware Requirements

- 1 GB RAM
- 1 GB Core

2.4.2 Software Requirement Specification

- **PYTHON 3.8:**

Python 3.8 benefitted from both new functionality and optimizations.

Python is the language used to build the Django framework. It is a dynamic scripting language similar to Perl and Ruby. The principal author of Python is Guido van Rossum. Python supports dynamic typing and has a garbage collector for automatic memory management. Another important feature of Python is dynamic name resolution which binds the names of functions and variables during execution.

- **PYTHON-DJANGO:**

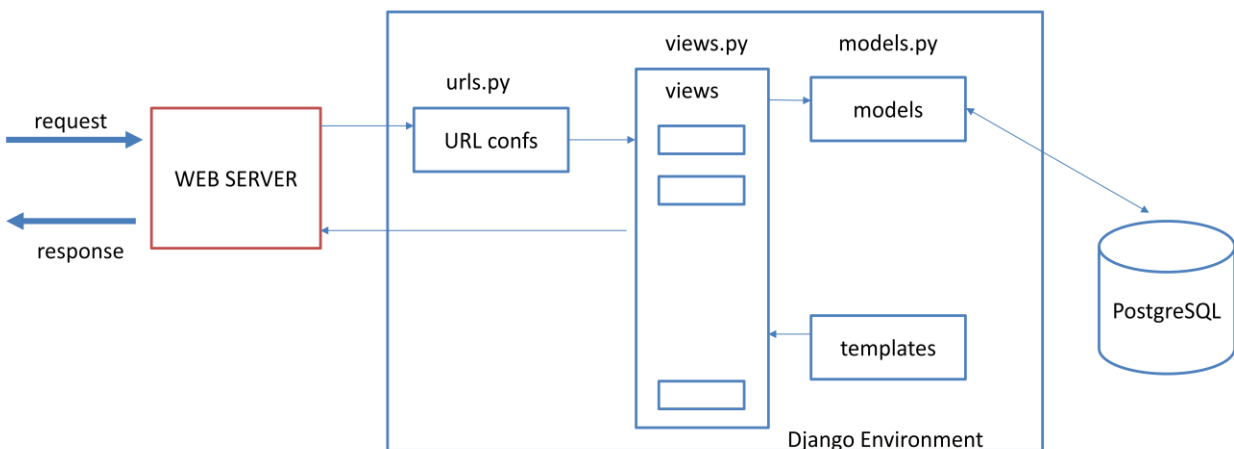
DJANGO FRAMEWORK

Django is a free and open-source web framework, written in Python, which follows the model-view-template architectural pattern. It is maintained by the Django Software Foundation, an independent organization established as a 501.

The primary goal of Django is to make the development of complex, data-based websites easier. Thus Django emphasizes the reusability and pluggability of components to ensure rapid developments. Django consists of three major parts:

Model, View and Template.

MVT Architecture:



Model:

Model is a single, definitive data source which contains the essential field and behavior of the data. Usually one model is one table in the database. Each attribute in the model represents a field of a table in the database. Django provides a set of automatically-generated database application programming interfaces (APIs) for the convenience of users.

View:

View is a short form of view file. It is a file containing a Python function which takes web requests and returns web responses. A response can be HTML content or XML documents or a “404 error” and so on. The logic inside the view function can be arbitrary as long as it returns the desired response. To link the view function with a particular URL we need to use a structure called URL conf which maps URLs to view functions.

Template:

Template Django’s template is a simple text file which can generate a text-based format like HTML and XML. The template contains variables and tags. Variables will be replaced by the result when the template is evaluated. Tags control the logic of the template. We also can modify the variables by using filters. For example, a lowercase filter can convert the variable from uppercase into lowercase.

Bootstrap

Bootstrap is a free and open-source front-end framework for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.

2.5 DESIGN CONSTRAINTS

A computer with at least a core processor with minimum 512MB of RAM.

Acceptance Criteria: Before accepting, the developer must check whether the application is running properly or not and should also check whether the data is stored correctly

CHAPTER 3

RELATED WORK

MARKET RESEARCH

[Textsummarization.net](https://textsummarization.net/): It is the most viewed website for Text Summarization. They provide Text Summarization API which is based on Natural Language Processing and Machine Learning technologies. It is used to provide the summarized text from the URL or document that user provided.

smrZR.com/: This website fetches videos and summarizes the context based on what part of the video they chose. We can also share and bookmark the videos and summaries.

CHAPTER 4

SYSTEM DESIGN

4.1 ARCHITECTURE AND TECHNOLOGY USE

Front end:

- 1)HTML
- 2)CSS
- 3)Java Script
- 4) Bootstrap
- 5) jQuery

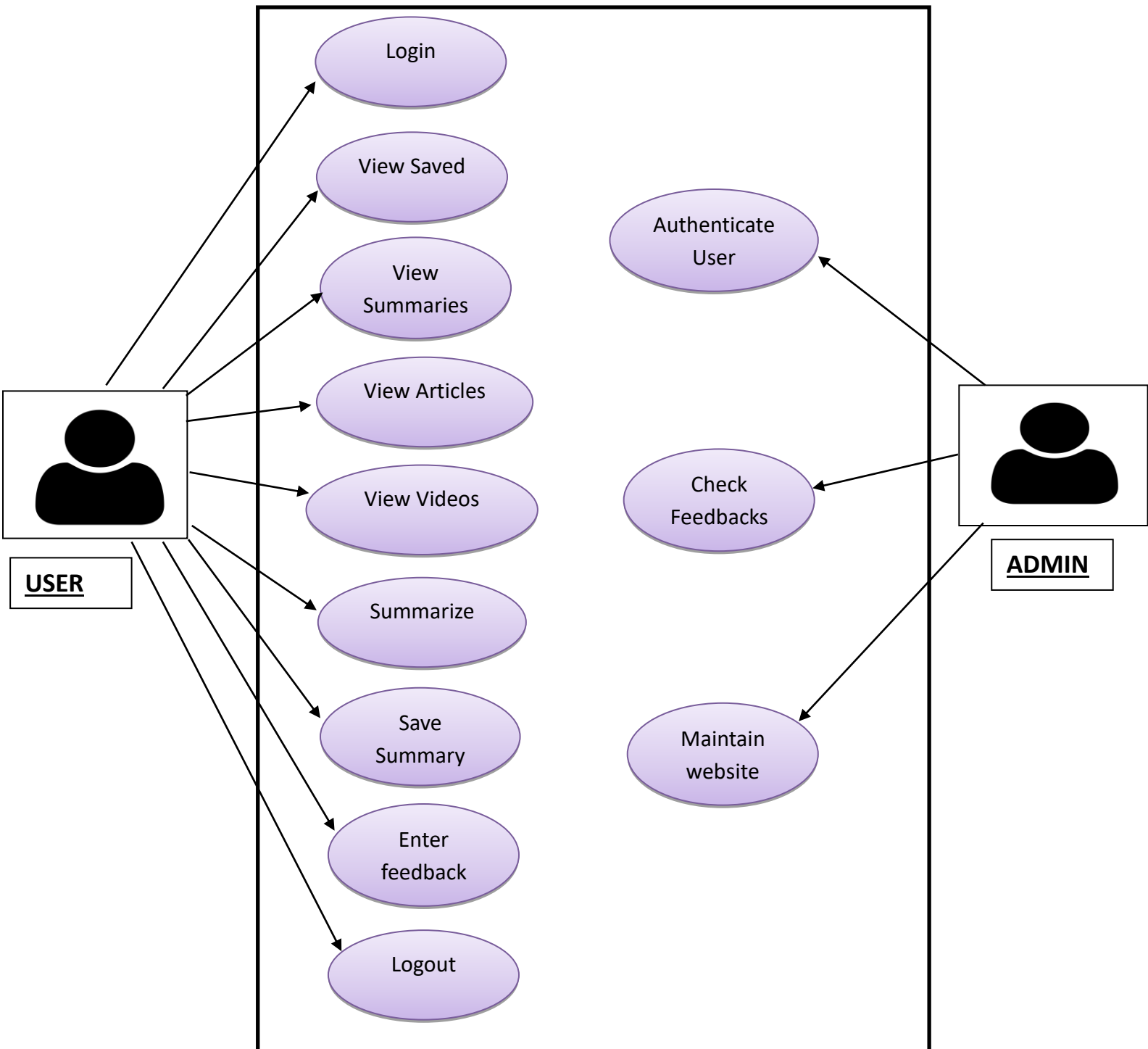
Back end:

PostgreSQL (for database management).

4.2 UML DIAGRAMS

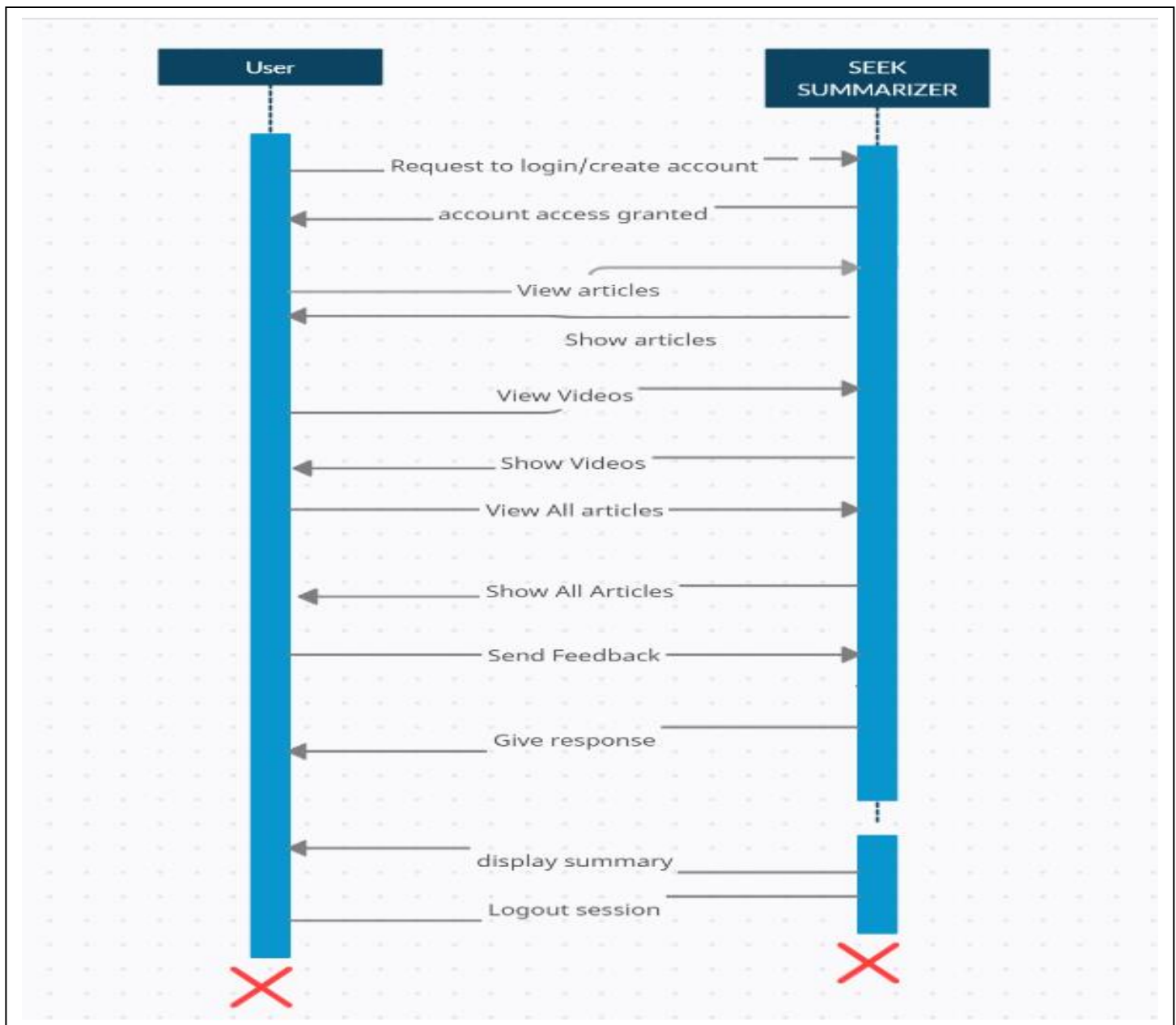
1) Use-Case Diagram:

Use case diagrams are the diagrammatic representations depicting users interactions with the system. This diagram shows different types of users and various ways in which these users interact with the system.



2) Sequence Diagram:

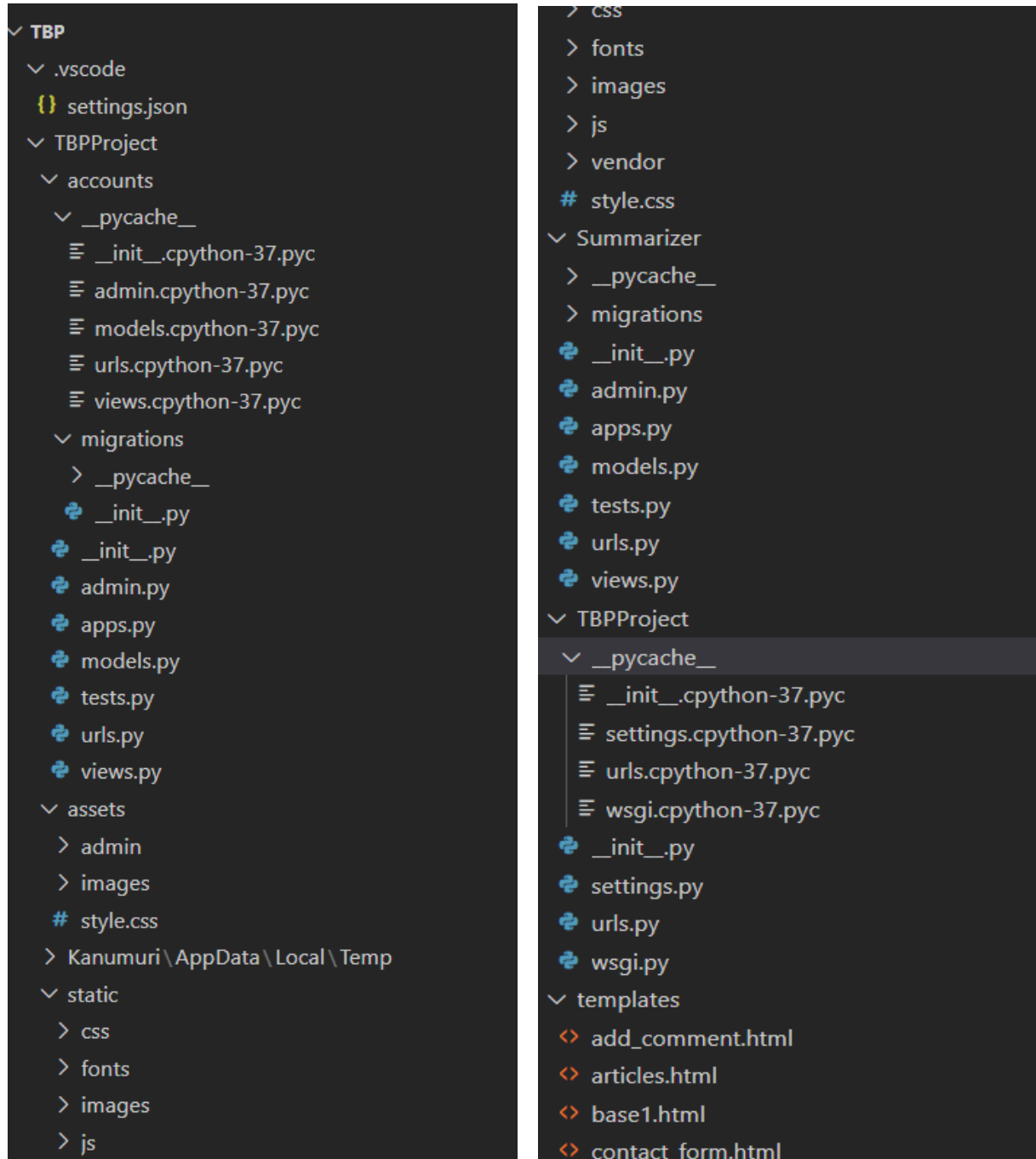
Sequence diagrams establish the roles of objects and help provide essential information to determine class responsibilities and interfaces. This type of diagram is best used during early analysis phases in design because they are simple and easy to comprehend. These are normally associated with use cases and are closely related to collaboration diagrams and both are alternate representations of an interaction.



CHAPTER 5

5. IMPLEMENTATION CODE

5.1 SYSTEM ARCHITECTURE(DESIGN)



= wsgi.cpython-37.pyc

🔗 __init__.py

🔗 settings.py

🔗 urls.py

🔗 wsgi.py

▼ templates

🔗 add_comment.html

🔗 articles.html

🔗 base1.html

🔗 contact_form.html

🔗 forgot.html

🔗 get_sum.html

🔗 get_vid_sum.html

🔗 header.html

🔗 home.html

🔗 login.html

🔗 messages.html

🔗 register.html

🔗 res.html

🔗 result.html

🔗 saved_title.html

🔗 saved.html

🔗 videos.html

🔗 view_all_sum.html

> Valli

≡ db.sqlite3

🔗 manage.py

📄 Procfile

≡ requirements.txt

≡ runtime.txt

5.2.1. PYTHON FILES

i) TBPPProject/settings.py :

```
"""
Django settings for TBPPProject project.

Generated by 'django-admin startproject' using Django 2.2.

For more information on this file, see
https://docs.djangoproject.com/en/2.2/topics/settings/

For the full list of settings and their values, see
https://docs.djangoproject.com/en/2.2/ref/settings/
"""

import os

# Build paths inside the project like this: os.path.join(BASE_DIR, ...)
BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))

# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/2.2/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY = 'bei-6t3fjt4grj)!_+6ha+63ekd6$x8vh3g1@ep!yizfj%l26_'

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = False

ALLOWED_HOSTS = ['seeksummarizer.herokuapp.com', '127.0.0.1']

if DEBUG:
    EMAIL_BACKEND = 'django.core.mail.backends.console.EmailBackend'

# Application definition

INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'Summarizer',
]
```

```

    'accounts',
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',

    'whitenoise.middleware.WhiteNoiseMiddleware',

    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'TBPPProject.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [os.path.join(BASE_DIR, 'templates')],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    ],
]

WSGI_APPLICATION = 'TBPPProject.wsgi.application'

# Database
# https://docs.djangoproject.com/en/2.2/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql',
        'NAME': 'TBPPProject',
        'USER': 'postgres',
    }
}

```

```
        'PASSWORD': 'abcd@1234',
        'HOST': 'localhost',
    }
}

# Password validation
# https://docs.djangoproject.com/en/2.2/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]

# Internationalization
# https://docs.djangoproject.com/en/2.2/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'UTC'

USE_I18N = True

USE_L10N = True

USE_TZ = True

# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/2.2/howto/static-files/
```

```

STATIC_URL = '/static/'
STATICFILES_DIRS=[
    os.path.join(BASE_DIR,'static')
]
STATIC_ROOT=os.path.join(BASE_DIR,'assets')

MEDIA_ROOT=os.path.join(BASE_DIR,'media')
MEDIA_URL='/media/'

YOUTUBE_DATA_API_KEY = 'AIzaSyDWCoEujWAuXPhIfaFJE598zoUXIWGeVJg'

```

ii)TBPPProject/urls.py:

```

"""TBPPProject URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/2.2/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.urls import path,include
from django.conf import settings
from django.conf.urls.static import static

urlpatterns = [
    path('admin/', admin.site.urls),
    path('',include('Summarizer.urls')),
    path('accounts/',include('accounts.urls')),
]
urlpatterns=urlpatterns + static(settings.MEDIA_URL,document_root=settings.MEDIA_
ROOT)

```


iii).accounts/apps.py:

```
from django.apps import AppConfig

class AccountsConfig(AppConfig):
    name = 'accounts'
```

iv) accounts/urls.py:

```
from django.urls import path
from . import views
urlpatterns=[
    path('register',views.register,name='register'),
    path('login',views.login,name='login'),
    path('logout',views.logout,name='logout'),
    path('forgot',views.forgot,name='forgot'),
]
```

v) accounts/views.py:

```
from django.shortcuts import render,redirect
from django.contrib import messages
from django.contrib.auth.models import User,auth
from django.core.mail import send_mail, BadHeaderError
from django.http import HttpResponse
from django.contrib.auth.forms import PasswordResetForm
from django.contrib.auth.models import User
from django.template.loader import render_to_string
from django.db.models.query_utils import Q
from django.utils.http import urlsafe_base64_encode
from django.contrib.auth.tokens import default_token_generator
from django.utils.encoding import force_bytes

# Create your views here.
def login(request):
    if request.method=='POST':
        username=request.POST['username']
        password=request.POST['password']

        user = auth.authenticate(username=username,password=password)
```

```

        if user is not None:
            auth.login(request,user)
            return redirect("/")
        else:
            messages.info(request,'invalid credentials')
            return redirect('login')
    else:
        return render(request,'login.html')

def logout(request):
    auth.logout(request)
    return redirect("/")
def forgot(request):
    if request.method=='POST':
        username=request.POST['username']
        password1=request.POST['password1']
        password2=request.POST['password2']

        if User.objects.filter(username=username).exists():
            if password1==password2:
                u = User.objects.get(username=username)
                u.set_password(password1)
                u.save()
                return redirect('login')
            else:
                messages.info(request,'Passwords are not matching')
                return redirect('forgot')
        else:
            messages.info(request,'Username doesnt exist')
            return redirect('forgot')
        return redirect('login')
    else:
        return render(request,"forgot.html")

def register(request):
    if request.method=='POST':
        first_name=request.POST['first_name']
        last_name=request.POST['last_name']
        username=request.POST['username']
        password1=request.POST['password1']
        password2=request.POST['password2']
        email=request.POST['email']

        if password1==password2:

```

```

        if User.objects.filter(username=username).exists():
            messages.info(request, 'Username taken')
            return redirect('register')
        elif User.objects.filter(email=email).exists():
            messages.info(request, 'Email taken')
            return redirect('register')
        else:
            user=User.objects.create_user(username=username,password=password
1,email=email,first_name=first_name,last_name=last_name)
            user.save()
            print('user saved')
            return redirect('login')
    else:
        messages.info(request, 'Passwords not matching')
        return redirect('register')
    return redirect('login')
else:
    return render(request, "register.html")

```

vi) Summarizer/admin.py:

```

from django.contrib import admin
from .models import ContactForm, save_sum, all_sum, Comment
# Register your models here.

admin.site.register(save_sum)
admin.site.register(all_sum)
admin.site.register(Comment)
admin.site.register(ContactForm)

```

vii) Summarizer/apps.py:

```

from django.apps import AppConfig

class SummarizerConfig(AppConfig):
    name = 'Summarizer'

```

viii) Summarizer/models.py:

```

from os import name
from django.db import models
from django.contrib.auth.models import User
# Create your models here.
class save_sum(models.Model):
    user = models.ForeignKey(User, on_delete=models.CASCADE)
    title = models.CharField(max_length=100)
    summary = models.CharField(max_length=5000)
class all_sum(models.Model):
    link = models.CharField(max_length=200)
    title = models.CharField(max_length=100)
    summary = models.CharField(max_length=5000)
class Comment(models.Model):
    post = models.ForeignKey(all_sum, related_name="comments", on_delete=models.CASCADE)
    name = models.CharField(max_length=255)
    body = models.TextField()
    date_added = models.DateTimeField(auto_now_add=True)

class ContactForm(models.Model):
    name = models.CharField(max_length=20)
    body = models.TextField()

```

ix) Summarizer/urls.py:

```

from os import name
from django.urls import path
from django.urls.conf import re_path
from . import views

urlpatterns=[
    path('',views.home,name='home'),
    path('short',views.short,name='short'),
    path('short_art',views.short_art,name='short_art'),
    path('short_text',views.short_text,name='short_text'),
    path('articles',views.articles,name='articles'),
    path('videos',views.videos,name='videos'),
    path('save_summary', views.save_summary, name='save_summary'),
    path('saved',views.saved,name='saved'),
    path('saved_title',views.saved_title,name='saved_title'),
    path('save_art',views.save_art,name='save_art'),
    path('get_sum',views.get_sum,name='get_sum'),
    path('get_vid_sum',views.get_vid_sum,name='get_vid_sum'),
    path('delete',views.delete,name='delete'),

```

```

    path('view_all_sum',views.view_all_sum,name='view_all_sum'),
    path('add_comment',views.add_comment,name='add_comment'),
    path('save_comment',views.save_comment,name='save_comment'),
    path('contact_form',views.contact_form,name='contact_form'),
    path('add_contact',views.add_contact,name='add_contact'),
    path('messages',views.messages,name='messages'),
]

```

x) Summarizer/views.py:

```

from decimal import Context
from os import link
from django.http.request import HttpRequest
from numpy import tile
import sumy
import nltk; nltk.download('punkt')
from django.contrib.auth.decorators import login_required
from django.shortcuts import render, render_to_response, redirect
from django.http import HttpResponse
from youtube_transcript_api import YouTubeTranscriptApi
from sumy.parsers.plaintext import PlaintextParser
from sumy.nlp.tokenizers import Tokenizer
from sumy.summarizers.lex_rank import LexRankSummarizer
import requests
from django.shortcuts import render, redirect
from isodate import parse_duration
from django.conf import settings
from newspaper import Article
from .models import Comment, save_sum, all_sum, ContactForm
from django.urls import reverse
API_KEY = '6e74986113f945c79f538ce657601f88'
# Create your views here.
def home(request):
    return render(request,'home.html')

def short(request):
    link=request.GET['url-link']
    n=request.GET['url-no']
    d = YouTubeTranscriptApi.get_transcript(link)
    l=[]
    for x in d:
        new_dict={key:val for key, val in x.items() if key == 'text'}
        l.append(new_dict['text'])
    l=" ".join(l)

```

```

        parser = PlaintextParser.from_string(l,Tokenizer("english"))
        summarizer = LexRankSummarizer()
        summary = summarizer(parser.document, n)
        context= {'summary': summary}
        return render(request,'result.html',context)

def short_art(request):
    link=request.GET['url-link']
    n=request.GET['url-no']
    article= Article(link)
    article.download()
    article.parse()
    val=article.text
    parser = PlaintextParser.from_string(val,Tokenizer("english"))
    summarizer = LexRankSummarizer()
    sum = summarizer(parser.document, n)
    context={'summary':sum}
    return render(request,'result.html',context)

def short_text(request):
    val=request.GET['url-link']
    n=request.GET['url-no']
    parser = PlaintextParser.from_string(val,Tokenizer("english"))
    summarizer = LexRankSummarizer()
    sum = summarizer(parser.document, n)
    context={'summary':sum}
    return render(request,'result.html',context)

def articles(request):
    category = request.GET.get('category')

    query = request.GET.get('q', None)

    if query:
        url = f'https://newsapi.org/v2/everything?q={query}&apiKey={API_KEY}'
        response = requests.get(url)
        data = response.json()
        articles = data['articles']
    elif query != None:
        url = f'https://newsapi.org/v2/everything?q=news&apiKey={API_KEY}'
        response = requests.get(url)
        data = response.json()
        articles = data['articles']
    elif category:

```

```

        url = f'https://newsapi.org/v2/top-
headlines?country=in&category={category}&apiKey={API_KEY}'
        response = requests.get(url)
        data = response.json()
        articles = data['articles']
    else:
        url = f'https://newsapi.org/v2/top-
headlines?country=in&category=general&apiKey={API_KEY}'
        response = requests.get(url)
        data = response.json()
        articles = data['articles']
    articles=articles[:8]
    context = {
        'articles' : articles,
    }
    return render(request, 'articles.html',context)
def get_sum(request):
    if request.method=='GET':
        title=request.GET.get('title')
        link=request.GET.get('url')
        article= Article(link)
        article.download()
        article.parse()
        val=article.text
        parser = PlaintextParser.from_string(val,Tokenizer("english"))
        summarizer = LexRankSummarizer()
        sum = summarizer(parser.document, 8)
        context={'sum':sum,'title':title}
        if all_sum.objects.filter(title=title).exists():
            pass
        else:
            summary=str(sum)
            l=summary.split("<Sentence:")
            l.pop(0)
            summary=" ".join(l)
            l=summary.split(">")
            summary=" ".join(l)
            summary=summary[:-1]
            sumry=all_sum(link=link,summary=summary,title=title)
            sumry.save()

        return render(request,'get_sum.html',context)
def videos(request):
    videos = []

```

```

if request.method == 'POST':
    search_url = 'https://www.googleapis.com/youtube/v3/search'
    video_url = 'https://www.googleapis.com/youtube/v3/videos'

    search_params = {
        'part' : 'snippet',
        'q' : request.POST['search'],
        'key' : settings.YOUTUBE_DATA_API_KEY,
        'maxResults' : 6,
        'videoCaption' : 'closedCaption',
        'isCC' : True,
        'videoDuration' : 'medium',
        'type' : 'video'
    }

    r = requests.get(search_url, params=search_params)

    results=r.json()['items']

    video_ids = []
    for result in results:
        video_ids.append(result['id']['videoId'])

    if request.POST['submit'] == 'lucky':
        return redirect(f'https://www.youtube.com/watch?v={ video_ids[0] }')

    video_params = {
        'key' : settings.YOUTUBE_DATA_API_KEY,
        'part' : 'snippet,contentDetails',
        'id' : ','.join(video_ids),
        'maxResults' : 6,
        'videoCaption' : 'closedCaption',
        'videoDuration' : 'medium',
    }

    r = requests.get(video_url, params=video_params)
    results = r.json()['items']

    for result in results:
        video_data = {
            'title' : result['snippet']['title'],
            'id' : result['id'],
            'url' : f'https://www.youtube.com/watch?v={ result["id"] }',
            'duration' : int(parse_duration(result['contentDetails']['duration']).total_seconds() // 60),
            'thumbnail' : result['snippet']['thumbnails']['high']['url']

```



```

    }

    videos.append(video_data)

context = {
    'videos' : videos
}

return render(request, 'res.html', context)

def get_vid_sum(request):
    if request.method=='GET':
        id=request.GET.get('id')
        title=request.GET.get('title')
        try:
            d = YouTubeTranscriptApi.get_transcript(id)
            l=[]
            for x in d:
                new_dict={key:val for key, val in x.items() if key == 'text'}
                l.append(new_dict['text'])
            l=" ".join(l)
            parser = PlaintextParser.from_string(l,Tokenizer("english"))
            summarizer = LexRankSummarizer()
            summary = summarizer(parser.document, 10)
        except:
            summary="Subtitles not available for this video"
        context= {'summary': summary,'title':title}
        if all_sum.objects.filter(title=title).exists():
            pass
        else:
            summary=str(summary)
            l=summary.split("<Sentence:")
            l.pop(0)
            summary=" ".join(l)
            l=summary.split(">")
            summary=" ".join(l)
            summary=summary[:-1]
            sumry=all_sum(link=id,summary=summary,title=title)
            sumry.save()
        return render(request,'get_vid_sum.html',context)

def save_summary(request):
    summary=request.POST['summary']
    title=request.POST['title']
    sumry=save_sum(user=request.user,summary=summary,title=title)

```

```

        sumry.save()
        return redirect('home')

def saved(request):
    summary = save_sum.objects.filter(user=request.user).order_by('-id')
    context = {'summary' : summary, 'id' : id}
    return render(request, "saved.html", context)

def saved_title(request):
    if request.method == 'GET':
        title = request.GET.get('title')
        summary = request.GET.get('summary')
        summary = str(summary)
        l = summary.split("<Sentence:")
        l.pop(0)
        summary = " ".join(l)
        l = summary.split(">")
        summary = " ".join(l)
        summary = summary[:-1]
        context = {'title': title, 'summary': summary}
        return render(request, "saved_title.html", context)

def save_art(request):
    if request.method == 'GET':
        title = request.GET.get('title')
        summary = request.GET.get('summary')
        if len(title) > 50:
            title = title[:50]
        sumry = save_sum(user=request.user, summary=summary, title=title)
        sumry.save()
        return redirect('home')

def delete(request):
    if request.method == 'GET':
        id = request.GET.get('id')
        post_to_delete = save_sum.objects.get(id=id)
        post_to_delete.delete()
        return redirect('saved')

def view_all_sum(request):
    all_posts = all_sum.objects.all()
    context = {'posts': all_posts}
    return render(request, 'view_all_sum.html', context)

def add_comment(request):

```

```

        id=request.GET.get('id')
        obj=all_sum.objects.get(id=id)
        context={'post':obj}
        return render(request,'add_comment.html',context)

def save_comment(request):
    id=request.GET.get('id')
    id=int(id)
    name=request.GET['name']
    body=request.GET['comment']
    p_obj=all_sum.objects.get(id=id)
    c_obj=Comment(post=p_obj,name=name,body=body)
    c_obj.save()
    return redirect('view_all_sum')

def contact_form(request):
    return render(request,'contact_form.html')

def add_contact(request):
    name=request.GET.get('name')
    body=request.GET.get('body')
    obj=ContactForm(name=name,body=body)
    obj.save()
    return redirect('home')

def messages(request):
    messages=ContactForm.objects.all()
    context = {'messages':messages}
    return render(request,'messages.html',context)

```

xi) templates/add_comment.html

```

{% extends 'base1.html' %}

{% block content %}
    <div class="container-fluid row p-5 d-flex align-items-center">
        <div class="col-lg-6">

```



```

<title>News App</title>

</head>
<style>
    .heading {
        margin-right: 15px;
    }

    .card {
        border-radius: 10px;
        box-shadow: 0px 2px 10px rgba(0, 0, 0, 0.24);
        border: 2px solid rgba(7, 7, 7, 0.12);
        font-size: 16px;
        transition: none 0.3s ease;
        position: relative;
        display: flex;
        justify-content: center;
        align-items: center;
        flex-direction: column;
        transition: none 0.3s ease;
    }

    .card:hover {
        transform: translateY(-5px) scale(1.005) translateZ(0px);
        box-
shadow: 0 24px 36px rgba(0, 0, 0, 0.11), 0 24px 24px rgb(43, 42, 42, 0.30);
    }
</style>

<body style="overflow-x: hidden;">
    <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
        <!-- Links -->
        <ul class="navbar-nav">
            <li class="nav-item">
                <a class="nav-link" href="{% url 'home' %}">Home</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{% url 'articles' %}">Articles</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{% url 'videos' %}">Videos</a>
            </li>
        </ul>
    </nav>

```

```

    <div class="container-fluid text-center p-5 text-white" style="background-
color: #112222;">
        <h1 class="display-2"><b>ARTICLES</b></h1>
    </div>
    <div class="row d-flex justify-content-around mt-3">
        <div class="btn btn-secondary col-md-4 m-1 p-3" style="background-
color: #112222;"><a class=" text-
light" href="{% url 'articles' %}?category=technology"><b>Technology</b></a></di
v>
        <div class="btn btn-secondary col-md-4 m-1 p-3" style="background-
color: #112222;"><a class=" text-
light" href="{% url 'articles' %}?category=Health"><b>Health</b></a></div>
        <div class="btn btn-secondary col-md-4 m-1 p-3" style="background-
color: #112222;"><a class=" text-
light" href="{% url 'articles' %}?category=entertainment"><b>Entertainment</b></a>
</div>
        <div class="btn btn-secondary col-md-4 m-1 p-3" style="background-
color: #112222;"><a class="text-
light" href="{% url 'articles' %}?category=sports "><b>Sports</b></a></div>
        <div class="btn btn-secondary col-md-4 m-1 p-3" style="background-
color: #112222;"><a class=" text-
light" href="{% url 'articles' %}?category=science "><b>Science</b></a></div>
        <div class="btn btn-secondary col-md-4 m-1 p-3" style="background-
color: #112222;"><a class=" text-
light" href="{% url 'articles' %}?category=business "><b>Business</b></a></div>
    </div>
<div class="container text-center p-4">
    <form action="" method="GET">
        <input style="width: 20rem; height: 7vh;" type="text" placeholder="Search
Topic" aria-label="Search" name="q">
        <button class="btn btn-lg text-white" style="background-
color: #112222;" type="submit" value="Search">Search</button>
    </form>
</div>
<hr>
<div class="row">

    {% for i in articles %}

        <div class="col-md-3 mb-3 d-flex justify-content-center">
            <div class="card m-2" style="width: 18rem;">

                {% if i.urlToImage %}
                    <a href="{{ i.url }}" target="_blank"></a>

        {% else %}
        <a href="{{ i.url }}" target="_blank"></a>
        {% endif %}

        <div class="card-body">
            <h5 class="card-
            title">{{ i.title|truncatewords:10 }}</h5>
            <p class="card-text">{{ i.source.name }}</p>
            <p class="card-
            title">{{ i.description|truncatewords:20 }}</p>
            <hr>
            <small>date : {{ i.publishedAt }}</small>
            <a href="{{ i.url }}" target="_blank" class="text-
            white btn m-1" style="background-color: #112222;">Visit Site</a>

            <form>
                <a class="text-white btn m-
            1" href="get_sum?title={{ i.title }}&url={{i.url}}" style="background-
            color: #112222;">Summarize</a>
            </form>

        </div>

    </div>

</div>

{% endfor %}

</div>

</div>

```

```

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.1/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-
        gtEjrD/SeCtmISkJKNUaaKMoLD0//ElJ19smozuHV6z3Iehds+3U1b9Bn9Plx0x4"
        crossorigin="anonymous"></script>

</body>

</html>

```

xii). Templates/base1.html

```

<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <title>Saved</title>
        <meta name="description" content="">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-
        Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="an
        onymous">
        <script src="https://code.jquery.com/jquery-
        3.2.1.slim.min.js" integrity="sha384-
        KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="an
        onymous"></script>
        <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.m
        in.js" integrity="sha384-
        ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="an
        onymous"></script>
        <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"
            integrity="sha384-
            JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmY1" crossorigin="an
            onymous"></script>
        <link rel="stylesheet" href="">
    </head>
    <style>
        .card {
            transition: transform 0.2s ease;
        }
        .card:hover {
            transform: scale(1.1);
        }
    </style>

```



```

}
.order-card {
    color: #fff;
}

.bg-c-yellow {
    background-color: #112222;
}

.card {
    width: 100%;
    border-radius: 5px;
    -webkit-box-shadow: 0 1px 2.94px 0.06px rgba(4,26,55,0.16);
    box-shadow: 0 1px 2.94px 0.06px rgba(4,26,55,0.16);
    border: none;
    margin-bottom: 30px;
    -webkit-transition: all 0.3s ease-in-out;
    transition: all 0.3s ease-in-out;
}

.card .card-block {
    padding: 25px;
}

.order-card i {
    font-size: 26px;
}

.f-left {
    float: left;
}

.f-right {
    float: right;
}

hr.new{
    border-top: 3px solid white;
}

.card[data-background="image"] .title, .card[data-
background="image"] .stats, .card[data-background="image"] .category, .card[data-
background="image"] .description, .card[data-
background="image"] .content, .card[data-background="image"] .card-
footer, .card[data-background="image"] small, .card[data-
background="image"] .content a, .card[data-

```

```

background="color"] .title, .card[data-background="color"] .stats, .card[data-
background="color"] .category, .card[data-
background="color"] .description, .card[data-
background="color"] .content, .card[data-background="color"] .card-
footer, .card[data-background="color"] small, .card[data-
background="color"] .content a {
    color: #FFFFFF;
}
.card.card-just-text .content {
    padding: 50px 65px;
    text-align: center;
}
.card .content {
    padding: 20px 20px 10px 20px;
}
.card[data-color="blue"] .category {
    color: #7a9e9f;
}

.card .category, .card .label {
    font-size: 14px;
    margin-bottom: 0px;
}
.card-big-shadow:before {
    background-
image: url("http://static.tumblr.com/i21wc39/coTmrkw40/shadow.png");
    background-position: center bottom;
    background-repeat: no-repeat;
    background-size: 100% 100%;
    bottom: -12%;
    content: "";
    display: block;
    left: -12%;
    position: absolute;
    right: 0;
    top: 0;
    z-index: 0;
}
h4, .h4 {
    font-size: 1.5em;
    font-weight: 600;
    line-height: 1.2em;
}
h6, .h6 {
    font-size: 0.9em;

```

```

    font-weight: 600;
    text-transform: uppercase;
}
.card .description {
    font-size: 16px;
    color: aliceblue;
}
.content-card{
    margin-top:30px;
}
a:hover, a:focus {
    text-decoration: none;
}
.card[data-color="blue"] {
    background: #112222;
}
.card[data-color="blue"] .description {
    color: aliceblue;
}
</style>
<body class="bg-light">
    <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
        <!-- Links -->
        <ul class="navbar-nav">
            <li class="nav-item">
                <a class="nav-link" href="{% url 'home' %}">Home</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{% url 'articles' %}">Articles</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{% url 'videos' %}">Videos</a>
            </li>
        </ul>
    </nav>
    {% block content %}

    {% endblock content %}
</body>
</html>

```

xiii). Templates/contact_form.html

```

{% extends 'base1.html' %}
{% block content %}
<div class="container-fluid p-5">
  <div class="container">
    <div class="card bg-c-yellow text-white">
      <div class="card-body">
        <form action="add_contact">
          <h3>Name:</h3>
          <input name="name" placeholder="enter name"><br><br>
          <h3>Message</h3><br>
          <textarea name="body" placeholder="enter message" rows="7" co
ls="60"></textarea><br><br>

          <button class="btn btn-lg btn-light">Add</button>

        </form>
      </div>
    </div>
  </div>
</div>

{% endblock content %}

```

xiv). Templates/forgot.html

```

{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Register</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
=====-->
  <link rel="icon" type="image/png" href="{% static 'images/icons/favicon.ico'
%}" />
<!--
=====
=====-->
  <link rel="stylesheet" type="text/css" href="{% static 'vendor/bootstrap/css/
bootstrap.min.css' %}">

```

```
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'fonts/font-awesome-4.7.0/css/font-awesome.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'fonts/Linearicons-Free-v1.0.0/icon-font.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/animate/animate.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/css-hamburgers/hamburgers.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/animation/css/animation.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/select2/select2.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/daterangepicker/daterangepicker.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'css/util.css' %}">
    <link rel="stylesheet" type="text/css" href="{% static 'css/main.css' %}">
<!--
=====
=====-->
</head>
<body>
```

```

<div class="limiter">
  <div class="container-login100">
    <div class="wrap-login100">
      <div class="login100-form-title" style="background-
image: url({% static 'images/bg-01.jpg' %});">
        <span class="login100-form-title-1">
          Forgot Password??
        </span>
      </div>

      <form class="login100-form validate-
form" action="forgot" method="post">
        {% csrf_token %}
        <div class="wrap-input100 validate-input m-b-26" data-
validate="Username is required">
          <span class="label-input100">username</span>
          <input class="input100" type="text" name="username" place
holder="Enter username">
          <span class="focus-input100"></span>
        </div>
        <div class="wrap-input100 validate-input m-b-26" data-
validate="Password is required">
          <span class="label-input100">New Password</span>
          <input class="input100" type="text" name="password1" plac
eholder="Enter password">
          <span class="focus-input100"></span>
        </div>
        <div class="wrap-input100 validate-input m-b-26" data-
validate="Password is required">
          <span class="label-input100">New Password Again</span>
          <input class="input100" type="text" name="password2" plac
eholder="Enter password again">
          <span class="focus-input100"></span>
        </div>
        <div class="container-login100-form-btn">
          <button class="login100-form-btn">
            Change
          </button> &nbsp;
          <div><br>
            {% for message in messages %}
            <h5 class="text-danger"> !!! {{message}}</h5>
            {% endfor %}
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

        </form>
    </div>
</div>
</div>

<!--
=====
=====-->
<script src="{% static 'vendor/jquery/jquery-3.2.1.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/animation/js/animation.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/bootstrap/js/popper.js' %}"></script>
<script src="{% static 'vendor/bootstrap/js/bootstrap.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/select2/select2.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/daterangepicker/moment.min.js' %}"></script>
<script src="{% static 'vendor/daterangepicker/daterangepicker.js' %}"></script>
pt>
<!--
=====
=====-->
<script src="{% static 'vendor/countdowntime/countdowntime.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'js/main.js' %}"></script>
</body>
</html>

```

xv). Templates/get_sum.html

```

{% extends 'base1.html' %}
{% block content %}

```

```

<div class="container">
  <div class="col-md-4 col-lg-12 content-card">
    <div class="card-big-shadow">
      <div class="card card-just-text" data-background="color" data-
color="blue" data-radius="none">
        <div class="content">
          <h2 class="title"><b>{{ title }}</b></h2>
          <hr class="new">
          <p class="description">
            {% for line in sum %}
              <p>{{line}}</p>
            {% endfor %}
          </p>
        </div>
        <hr class="new">
        {% if user.is_authenticated %}
          <form class="p-3 text-center">
            <a class="btn btn-light text-dark p-
3" href="save_art?title={{title}}&summary={{sum}}"><b>Save</b></a>
          </form>
          {% else %}
            <h3 class="text-center p-5 text-white">
              Login Now to Save Your Summary<br>
              <a type="button" class="btn btn-lg bg-
white" style="color: #112222;" href="accounts/login"><b>LOGIN</b></a>
            </h3>
          {% endif %}
        </div>
      </div>
    </div>
  </div>
{% endblock content %}

```

xvi). Templates/get_vid_sum.html

```

{% extends 'base1.html' %}
{% block content %}
<div class="container">
  <div class="col-md-4 col-lg-12 content-card">

```



```

        <div class="card-big-shadow">
            <div class="card card-just-text" data-background="color" data-
color="blue" data-radius="none">
                <div class="content">
                    <h2 class="title"><b>{{ title }}</b></h2>
                    <hr class="new">
                    <p class="description">
                        {% for line in summary %}
                            <p>{{line}}</p>
                        {% endfor %}
                    </p>
                </div>
                <hr class="new">
                {% if user.is_authenticated %}
                <form class="p-3 text-center">
                    <a class="btn btn-light text-dark p-
3" href="save_art?title={{title }}&summary={{summary}}">Save Summary</a>
                </form>
                {% else %}
                <h3 class="text-center p-5 text-white">
                    Login Now to Save Your Summary<br>
                    <a type="button" class="btn btn-lg bg-
white" style="color: #112222;" href="accounts/login"><b>LOGIN</b></a>
                </h3>
                {% endif %}
            </div>
        </div>
    </div>

{% endblock content %}

```

xvii). Templates/header.html

```

{% load static %}
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">

```

```
<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/
css/bootstrap.min.css">
<link type="text/css" rel="stylesheet" href="{% static 'style.css' %}">
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.12.0/css/all.min.css" rel="stylesheet" />
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js
"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popp
er.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min
.js"></script>
<style>
    .cont {
        height: 120vh;
    }
    .cont li {
        height: 60vh;
        font-size: 1.2rem;
        color: white;
        text-align: center;
        display: flex;
        flex-direction: column;
        justify-content: center;
    }

.wrapper{
    width: 90%;
    margin: 0 auto;
    max-width: 80rem;
}

.wrapper .cols{
    display: -webkit-box;
    display: -ms-flexbox;
    display: flex;
    -ms-flex-wrap: wrap;
    flex-wrap: wrap;
    -webkit-box-pack: center;
    -ms-flex-pack: center;
    justify-content: center;
}

.wrapper .column{
```

```

width: calc(33.33% - 2rem);
margin: 1rem;
cursor: pointer;
}

.wrapper .container{
  -webkit-transform-style: preserve-3d;
  transform-style: preserve-3d;
  -webkit-perspective: 1000px;
  perspective: 1000px;
}

.wrapper .front,
.back{
  background-size: cover;
  box-shadow: 0 4px 8px 0 rgba(0,0,0,0.25);
  border-radius: 10px;
  background-position: center;
  -webkit-transition: -webkit-transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
  transition: -webkit-transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
  -o-transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
  transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
  transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1), -webkit-
transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
  -webkit-backface-visibility: hidden;
  backface-visibility: hidden;
  text-align: center;
  min-height: 280px;
  height: auto;
  border-radius: 10px;
  color: #fff;
  font-size: 1.5rem;
}

.wrapper .back{
  background: #cedce7;
  background: -webkit-linear-gradient(45deg, #cedce7 0%,#596a72 100%);
  background: -o-linear-gradient(45deg, #cedce7 0%,#596a72 100%);
  background: linear-gradient(45deg, #cedce7 0%,#596a72 100%);
}

.wrapper .front:after{
  position: absolute;
  top: 0;
  left: 0;

```

```

    z-index: 1;
    width: 100%;
    height: 100%;
    content: '';
    display: block;
    opacity: .6;
    background-color: #000;
    -webkit-backface-visibility: hidden;
        backface-visibility: hidden;
    border-radius: 10px;
}
.wrapper .container:hover .front,
.wrapper .container:hover .back{
    -webkit-transition: -webkit-transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
    transition: -webkit-transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
    -o-transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
    transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
    transition: transform .7s cubic-bezier(0.4, 0.2, 0.2, 1), -webkit-
transform .7s cubic-bezier(0.4, 0.2, 0.2, 1);
}

.wrapper .back{
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
}

.wrapper .inner{
    -webkit-transform: translateY(-50%) translateZ(60px) scale(0.94);
        transform: translateY(-50%) translateZ(60px) scale(0.94);
    top: 50%;
    position: absolute;
    left: 0;
    width: 100%;
    padding: 2rem;
    -webkit-box-sizing: border-box;
        box-sizing: border-box;
    outline: 1px solid transparent;
    -webkit-perspective: inherit;
        perspective: inherit;
    z-index: 2;
}

.wrapper .container .back{

```

```
-webkit-transform: rotateY(180deg);
    transform: rotateY(180deg);
-webkit-transform-style: preserve-3d;
    transform-style: preserve-3d;
}

.wrapper .container .front{
    -webkit-transform: rotateY(0deg);
    transform: rotateY(0deg);
    -webkit-transform-style: preserve-3d;
    transform-style: preserve-3d;
}

.wrapper .container:hover .back{
    -webkit-transform: rotateY(0deg);
    transform: rotateY(0deg);
    -webkit-transform-style: preserve-3d;
    transform-style: preserve-3d;
}

.wrapper .container:hover .front{
    -webkit-transform: rotateY(-180deg);
    transform: rotateY(-180deg);
    -webkit-transform-style: preserve-3d;
    transform-style: preserve-3d;
}

.wrapper .front .inner p{
    font-size: 2rem;
    margin-bottom: 2rem;
    position: relative;
}

.wrapper .front .inner p:after{
    content: '';
    width: 4rem;
    height: 2px;
    position: absolute;
    background: #C6D4DF;
    display: block;
    left: 0;
    right: 0;
    margin: 0 auto;
    bottom: -.75rem;
}
```

```

.wrapper .front .inner span{
  color: rgba(255,255,255,0.7);
  font-family: 'Montserrat';
  font-weight: 300;
}
@media screen and (max-width: 64rem){
  .wrapper .column{
    width: calc(40% - 2rem);
  }
}

@media screen and (max-width: 60rem){
  .wrapper .column{
    width: calc(50% - 2rem);
  }
}

@media screen and (max-width: 48rem){
  .wrapper .column{
    width: 100%;
    margin: 0 0 2rem 0;
  }
}

.containe {
  position: absolute;
  width: 60%;
  height: 100%;
  overflow: hidden;
}

.containe:hover .top:before, .containe:active .top:before, .containe:hover .bottom:before, .containe:active .bottom:before, .containe:hover .top:after, .containe:active .top:after, .containe:hover .bottom:after, .containe:active .bottom:after {
  margin-left: 200px;
  transform-origin: -200px 50%;
  transition-delay: 0s;
}

.containe:hover .center, .containe:active .center {
  opacity: 1;
  transition-delay: 0.2s;
}

.top:before, .bottom:before, .top:after, .bottom:after {
  content: '';
  display: block;

```

```
    position: absolute;
    width: 200vmax;
    height: 200vmax;
    top: 50%;
    left: 50%;
    margin-top: -100vmax;
    transform-origin: 0 50%;
    transition: all 0.5s cubic-bezier(0.445, 0.05, 0, 1);
    z-index: 10;
    opacity: 0.65;
    transition-delay: 0.2s;
}

.top:before {
    transform: rotate(45deg);
    background: #e46569;
}

.top:after {
    transform: rotate(135deg);
    background: #ecaf81;
}

.bottom:before {
    transform: rotate(-45deg);
    background: #60b8d4;
}

.bottom:after {
    transform: rotate(-135deg);
    background: #3745b5;
}

.center {
    position: absolute;
    width: 400px;
    height: 400px;
    top: 50%;
    left: 50%;
    margin-left: -200px;
    margin-top: -200px;
    display: flex;
    flex-direction: column;
    justify-content: center;
    align-items: center;
    padding: 30px;
    opacity: 0;
    transition: all 0.5s cubic-bezier(0.445, 0.05, 0, 1);
    transition-delay: 0s;
    color: #333;
```

```

}
.center input {
  width: 100%;
  padding: 15px;
  margin: 5px;
  border-radius: 1px;
  border: 1px solid #ccc;
  font-family: inherit;
}
@import url("https://fonts.googleapis.com/css2?family=Baloo+2&display=swap");

.dark {
  background: #110f16;
}
a, a:hover {
  text-decoration: none;
  transition: color 0.3s ease-in-out;
}
#pageHeaderTitle {
  margin: 2rem 0;
  text-transform: uppercase;
  text-align: center;
  font-size: 2.5rem;
}
/* Cards */
.postcard {
  flex-wrap: wrap;
  display: flex;
  box-shadow: 0 4px 21px -12px rgba(0, 0, 0, 0.66);
  border-radius: 10px;
  margin: 0 0 2rem 0;
  overflow: hidden;
  position: relative;
  color: #fff;
}
.postcard.dark {
  background-color: #18151f;
}
.postcard .t-dark {
  color: #18151f;
}
.postcard a {
  color: inherit;
}
.postcard h1, .postcard .h1 {

```



```
    margin-bottom: 0.5rem;
    font-weight: 500;
    line-height: 1.2;
}
.postcard .small {
    font-size: 80%;
}
.postcard .postcard__title {
    font-size: 1.75rem;
}
.postcard .postcard__img {
    max-height: 180px;
    width: 100%;
    object-fit: cover;
    position: relative;
}
.postcard .postcard__img_link {
    display: contents;
}
.postcard .postcard__bar {
    width: 50px;
    height: 10px;
    margin: 10px 0;
    border-radius: 5px;
    background-color: #424242;
    transition: width 0.2s ease;
}
.postcard .postcard__text {
    padding: 1.5rem;
    position: relative;
    display: flex;
    flex-direction: column;
}
.postcard .postcard__preview-txt {
    overflow: hidden;
    text-overflow: ellipsis;
    text-align: justify;
    height: 100%;
}
.postcard .postcard__tagbox {
    display: flex;
    flex-flow: row wrap;
    font-size: 14px;
    margin: 20px 0 0 0;
    padding: 0;
```

```
        justify-content: center;
    }
    .postcard .postcard__tagbox .tag__item {
        display: inline-block;
        background: rgba(83, 83, 83, 0.4);
        border-radius: 3px;
        padding: 2.5px 10px;
        margin: 0 5px 5px 0;
        cursor: default;
        user-select: none;
        transition: background-color 0.3s;
    }
    .postcard .postcard__tagbox .tag__item:hover {
        background: rgba(83, 83, 83, 0.8);
    }
    .postcard:before {
        content: "";
        position: absolute;
        top: 0;
        right: 0;
        bottom: 0;
        left: 0;
        background-image: linear-gradient(-70deg, #424242, transparent 50%);
        opacity: 1;
        border-radius: 10px;
    }
    .postcard:hover .postcard__bar {
        width: 100px;
    }
    @media screen and (min-width: 769px) {
        .postcard {
            flex-wrap: inherit;
        }
        .postcard .postcard__title {
            font-size: 2rem;
        }
        .postcard .postcard__tagbox {
            justify-content: start;
        }
        .postcard .postcard__img {
            max-width: 300px;
            max-height: 100%;
            transition: transform 0.3s ease;
        }
        .postcard .postcard__text {
```

```

padding: 3rem;
width: 100%;
}
.postcard .media.postcard__text:before {
  content: "";
  position: absolute;
  display: block;
  background: #18151f;
  top: -20%;
  height: 130%;
  width: 55px;
}
.postcard:hover .postcard__img {
  transform: scale(1.1);
}
.postcard:nth-child(2n+1) {
  flex-direction: row;
}
.postcard:nth-child(2n+0) {
  flex-direction: row-reverse;
}
.postcard:nth-child(2n+1) .postcard__text::before {
  left: -12px !important;
  transform: rotate(4deg);
}
.postcard:nth-child(2n+0) .postcard__text::before {
  right: -12px !important;
  transform: rotate(-4deg);
}
}
@media screen and (min-width: 1024px) {
  .postcard__text {
    padding: 2rem 3.5rem;
  }
  .postcard__text:before {
    content: "";
    position: absolute;
    display: block;
    top: -20%;
    height: 130%;
    width: 55px;
  }
  .postcard.dark .postcard__text:before {
    background: #18151f;
  }
}

```

```
}
/* COLORS */
.postcard .postcard__tagbox .green.play:hover {
    background: #79dd09;
    color: black;
}
.green .postcard__title:hover {
    color: #79dd09;
}
.green .postcard__bar {
    background-color: #79dd09;
}
.green::before {
    background-image: linear-gradient(-
30deg, rgba(121, 221, 9, 0.1), transparent 50%);
}
.green:nth-child(2n)::before {
    background-image: linear-
gradient(30deg, rgba(121, 221, 9, 0.1), transparent 50%);
}
.postcard .postcard__tagbox .blue.play:hover {
    background: #0076bd;
}
.blue .postcard__title:hover {
    color: #0076bd;
}
.blue .postcard__bar {
    background-color: #0076bd;
}
.blue::before {
    background-image: linear-gradient(-
30deg, rgba(0, 118, 189, 0.1), transparent 50%);
}
.blue:nth-child(2n)::before {
    background-image: linear-
gradient(30deg, rgba(0, 118, 189, 0.1), transparent 50%);
}
.postcard .postcard__tagbox .red.play:hover {
    background: #bd150b;
}
.red .postcard__title:hover {
    color: #bd150b;
}
.red .postcard__bar {
    background-color: #bd150b;
}
```

```

}
.red::before {
    background-image: linear-gradient(-
30deg, rgba(189, 21, 11, 0.1), transparent 50%);
}
.red:nth-child(2n)::before {
    background-image: linear-
gradient(30deg, rgba(189, 21, 11, 0.1), transparent 50%);
}
.postcard .postcard__tagbox .yellow.play:hover {
    background: #bdbb49;
    color: black;
}
.yellow .postcard__title:hover {
    color: #bdbb49;
}
.yellow .postcard__bar {
    background-color: #bdbb49;
}
.yellow::before {
    background-image: linear-gradient(-
30deg, rgba(189, 187, 73, 0.1), transparent 50%);
}
.yellow:nth-child(2n)::before {
    background-image: linear-
gradient(30deg, rgba(189, 187, 73, 0.1), transparent 50%);
}
@media screen and (min-width: 769px) {
    .green::before {
        background-image: linear-gradient(-
80deg, rgba(121, 221, 9, 0.1), transparent 50%);
    }
    .green:nth-child(2n)::before {
        background-image: linear-
gradient(80deg, rgba(121, 221, 9, 0.1), transparent 50%);
    }
    .blue::before {
        background-image: linear-gradient(-
80deg, rgba(0, 118, 189, 0.1), transparent 50%);
    }
    .blue:nth-child(2n)::before {
        background-image: linear-
gradient(80deg, rgba(0, 118, 189, 0.1), transparent 50%);
    }
    .red::before {

```

```

        background-image: linear-gradient(-
80deg, rgba(189, 21, 11, 0.1), transparent 50%);
    }
    .red:nth-child(2n)::before {
        background-image: linear-
gradient(80deg, rgba(189, 21, 11, 0.1), transparent 50%);
    }
    .yellow::before {
        background-image: linear-gradient(-
80deg, rgba(189, 187, 73, 0.1), transparent 50%);
    }
    .yellow:nth-child(2n)::before {
        background-image: linear-
gradient(80deg, rgba(189, 187, 73, 0.1), transparent 50%);
    }
}
#grad1{
    background-image: linear-gradient(to right, #cc2b5e , #753a88);
}
#grad2{
    background-image: linear-gradient(to right, #42275a , #734b6d);
}
#grad3{
    background-image: linear-gradient(to right, #000428 , blue);
}
.s1{
    height: 90vh;
    background-image:linear-
gradient(rgba(255,255,255,.4), rgba(255,255,255,.4)), url('{% static 'images/work
ing.jpg' %}');
    background-repeat: no-repeat;
    background-size: 130%;
}

header {
    background: url('http://www.autodatz.com/wp-content/uploads/2017/05/Old-Car-
Wallpapers-Hd-36-with-Old-Car-Wallpapers-Hd.jpg');
    text-align: center;
    width: 100%;
    height: 85vh;
    background-size: cover;
    background-attachment: fixed;
    position: relative;
    overflow: hidden;
    border-radius: 0 0 85% 85% / 30%;

```

```
}
header .overlay{
  width: 100%;
  height: 100%;
  padding: 50px;
  color: #FFF;
  text-shadow: 1px 1px 1px #333;

  background-color: black;
  background-image:linear-
gradient(rgba(255,255,255,.1), rgba(255,255,255,.1)), url('{% static 'images/work
ing1.jpg' %}');
  background-repeat: no-repeat;
  background-size: 130%;
}

header h1 {
  font-family: 'Dancing Script', cursive;
  font-size: 80px;
  margin-bottom: 30px;
}

header h3, p {
  font-family: 'Open Sans', sans-serif;
  margin-bottom: 30px;
}

header button {
  border: none;
  outline: none;
  padding: 10px 20px;
  border-radius: 50px;
  color: #333;
  background: #fff;
  margin-bottom: 50px;
  box-shadow: 0 3px 20px 0 #0000003b;
}

header button:hover{
  cursor: pointer;
}

.footer{
  position: fixed;
  bottom: 0;
  left: 0;
```

```

    right: 0;
    height: 40px;
    background-color: black;
}

</style>
<script>
    $(document).on("scroll", function () {

        if ($(document).scrollTop() > 80) {
            $(".primary-nav").addClass("shrink");
        } else {
            $(".primary-nav").removeClass("shrink");
        }

    });
</script>

<title>HOME</title>
</head>

<body style="overflow-x: hidden;">

    {% block content %}

    {% endblock %}
</body>

</html>

```

xviii). Templates/home.html

```

{% extends 'header.html' %}
{% load static %}
{% block content %}
<nav class="navbar navbar-light navbar-expand-md bg-faded justify-content-
center fixed-top stroke primary-nav shadow p-3 bg-light mb-5 rounded">
    <div class="container-fluid">
        <a href="#" class="navbar-brand d-flex w-50 mr-auto brand-
size">Seek Summarizer</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#collapsingNavbar3">

```



```
<span class="navbar-toggler-icon"></span>  
</button>  
<div class="navbar-collapse collapse w-100" id="collapsingNavbar3">  
    <ul class="navbar-nav w-100 justify-content-center">  
        <li class="nav-item active">  
            <a class="nav-link " href="#home">Home</a>  
        </li>  
        <li class="nav-item">  
            <a class="nav-link" href="view_all_sum">View Summaries</a>  
        </li>  
        <li class="nav-item">  
            <a class="nav-link" href="#explore">Explore</a>  
        </li>  
        {% if not user.is_superuser %}  
        <li class="nav-item">  
            <a class="nav-link" href="contact_form">Contact Us</a>  
        </li>  
        {% endif %}  
    </ul>  
    <ul class="nav navbar-nav ml-auto w-100 justify-content-end">  
        {% if user.is_authenticated %}  
        <li class="nav-item">  
            <li><a class="nav-link">Hello, {{user.username}}</a></li>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <li class="dropdown">  
                <button type="button" class="btn btn-outline-secondary dropdown-toggle" data-toggle="dropdown">  
                    <i class="fas fa-user p-1"></i>  
                </button>  
                <div class="dropdown-menu">  
                    {% if user.is_superuser %}  
                    <a class="nav-link" href="messages">Messages</a>  
                    {% endif %}  
                    <a class="nav-link" href="saved">Saved</a>  
                    <a class="nav-link" href="accounts/logout">Logout</a>  
                </div>  
            </li>  
        </li>  
        {% else %}  
        <li class="nav-item">  
            <a class="nav-link" href="accounts/register">Sign Up</a>  
        <li><a class="nav-link" href="accounts/login">Login</a></li>  
        </li>  
        {% endif %}  
    </ul>
```



```

        </div>
    </div>
</div>
<div class="column" ontouchstart="this.classList.toggle('hover');">
    <div class="container">
        <div class="front" id="grad2">
            <div class="inner">
                <p><b>ARTICLE SUMMARY</b></p>
                <span>Enter article link to generate summary</span>
            </div>
        </div>
        <div class="back">
            <div class="inner">
                <form action="short_art" method="GET">

                    <input type="text" name="url-link" class="form-
control" placeholder="Enter article URL" required><br>
                    <input type="text" name="url-no" class="form-
control" placeholder="Enter no. of lines" required>
                    <button class="btn btn-
info"><b>Summarize</b></button>

                </form>
            </div>
        </div>
    </div>
</div>
<div class="column" ontouchstart="this.classList.toggle('hover');">
    <div class="container">
        <div class="front" id="grad3">
            <div class="inner">
                <p><b>TEXT SUMMARY</b></p>
                <span>Enter text to generate summary</span>
            </div>
        </div>
        <div class="back">
            <div class="inner">
                <form action="short_text" method="GET">

                    <textarea rows="5" cols="5" type="text" name="url
-link" class="form-control" placeholder="Enter text" required></textarea><br>
                    <input type="text" name="url-no" class="form-
control" placeholder="Enter no. of lines" required>

```

```

        <button class="btn btn-
info"><b>Summarize</b></button>

        </form>
    </div>
</div>
</div>
</div>

</div>
<hr>
<hr>
<hr>
<hr>

<div class="light container-fluid p-5" id="explore">
    <main class="container py-4">

        <article class="postcard dark blue mb-5 p-3">
            <a class="postcard__img_link" href="#">
                
            </a>
            <div class="postcard__text">
                <h1 class="postcard__title blue"><a >ARTICLES</a></h1>
                <div class="postcard__bar"></div>
                <div class="postcard__preview-
txt"> <h5>View the trending articles and the summarized versions.</h5></div>
                <button class="btn btn-lg bg-
light"><a style="color: #112222;" href="{% url 'articles' %}"><b>EXPLORE</b></a><
/button>

            </div>

        </article>
        <div class="bg-white" style="height: 30px;">

    </div>
    <article class="postcard dark red mt-5 p-3">
        <a class="postcard__img_link" href="#">
            
        </a>
        <div class="postcard__text">
            <h1 class="postcard__title red"><a href="#">VIDEOS</a></h1>

```

```

        <div class="postcard__bar"></div>
        <div class="postcard__preview-
txt"><h5>Selected videos based on your queries with the summarized version</h5></
div>

        <button class="btn btn-lg bg-
light"><a style="color: #112222;" href="{% url 'videos' %}"><b>EXPLORE</b></a></b
utton>

        </div>
    </article>

</main>
</div>

<section class="footer">

</section>

{% endblock content %}

```

xix). Templates/login.html

```

{% load static %}
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Login</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!--
=====
=====-->
    <link rel="icon" type="image/png" href="{% static 'images/icons/favicon.ico'
%}" />
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/bootstrap/css/
bootstrap.min.css' %}">
    <!--
=====
=====-->

```

```

    <link rel="stylesheet" type="text/css" href="{% static 'fonts/font-awesome-4.7.0/css/font-awesome.min.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'fonts/Linearicons-Free-v1.0.0/icon-font.min.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/animate/animate.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/css-hamburgers/hamburgers.min.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/animation/css/animation.min.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/select2/select2.min.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/daterangepicker/daterangepicker.css' %}">
    <!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'css/util.css' %}">
    <link rel="stylesheet" type="text/css" href="{% static 'css/main.css' %}">
    <!--
=====
=====-->
</head>

<body>

    <div class="limiter">

```

[illegible]

```

        <h5 class="text-danger"> {{message}} !!!</h5>
        {% endfor %}
    </div>
</div>
</div>
</div>

<!--
=====
=====-->
<script src="{% static 'vendor/jquery/jquery-3.2.1.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/animation/js/animation.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/bootstrap/js/popper.js' %}"></script>
<script src="{% static 'vendor/bootstrap/js/bootstrap.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/select2/select2.min.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'vendor/daterangepicker/moment.min.js' %}"></script>
<script src="{% static 'vendor/daterangepicker/daterangepicker.js' %}"></scri
pt>
<!--
=====
=====-->
<script src="{% static 'vendor/countdowntime/countdowntime.js' %}"></script>
<!--
=====
=====-->
<script src="{% static 'js/main.js' %}"></script>
</body>
</html>

```

xx) templates/messages.html


```

{% extends 'base1.html' %}
{% block content %}

<div class="container-fluid bg-c-yellow p-5">
  <div class="container bg-light text-center">
    {% for message in messages %}
      <div class="card">

        <div class="card-body mt-5 border border-dark m-5">
          <hr>
          <strong><h4>NAME: </h4></strong> <b>{{message.name}}</b>
          <hr style="background-color:#112222;">
          <strong><h4>MESSAGE:</h4> </strong> {{message.body}}<br>
          <hr >
        </div>
      </div>
    {% endfor %}
  </div>

</div>

{% endblock content %}

```

xxi) templates/register.html

```

{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Register</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
=====-->
  <link rel="icon" type="image/png" href="{% static 'images/icons/favicon.ico'
%}" />
<!--
=====
=====-->
  <link rel="stylesheet" type="text/css" href="{% static 'vendor/bootstrap/css/
bootstrap.min.css' %}">

```

```
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'fonts/font-awesome-4.7.0/css/font-awesome.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'fonts/Linearicons-Free-v1.0.0/icon-font.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/animate/animate.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/css-hamburgers/hamburgers.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/animation/css/animation.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/select2/select2.min.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'vendor/daterangepicker/daterangepicker.css' %}">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="{% static 'css/util.css' %}">
    <link rel="stylesheet" type="text/css" href="{% static 'css/main.css' %}">
<!--
=====
=====-->
</head>
<body>
```

```

<div class="limiter">
  <div class="container-login100">
    <div class="wrap-login100">
      <div class="login100-form-title" style="background-
image: url( {% static 'images/bg-01.jpg' %});">
        <span class="login100-form-title-1">
          Register
        </span>
      </div>

      <form class="login100-form validate-
form" action="register" method="post">
        {% csrf_token %}
        <div class="wrap-input100 validate-input m-b-26" data-
validate="Username is required">
          <span class="label-input100">First Name</span>
          <input class="input100" type="text" name="first_name" pla
ceholder="Enter first name">
          <span class="focus-input100"></span>
        </div>

        <div class="wrap-input100 validate-input m-b-18">
          <span class="label-input100">Last Name</span>
          <input class="input100" type="text" name="last_name" plac
eholder="Enter last name">
          <span class="focus-input100"></span>
        </div>
        <div class="wrap-input100 validate-input m-b-18" data-
validate = "Username is required">
          <span class="label-input100">Username</span>
          <input class="input100" type="text" name="username" place
holder="Enter username">
          <span class="focus-input100"></span>
        </div>
        <div class="wrap-input100 validate-input m-b-18" data-
validate = "Email Id is required">
          <span class="label-input100">Email</span>
          <input class="input100" type="email" name="email" placeho
lder="Enter email id">
          <span class="focus-input100"></span>
        </div>
        <div class="wrap-input100 validate-input m-b-18" data-
validate = "Password is required">
          <span class="label-input100">Password</span>

```

```

        <input class="input100" type="password" name="password1"
placeholder="Enter password">
        <span class="focus-input100"></span>
    </div>
    <div class="wrap-input100 validate-input m-b-18" data-
validate = "Password is required">
        <span class="label-input100">Confirm Password</span>
        <input class="input100" type="password" name="password2"
placeholder="Enter password again">
        <span class="focus-input100"></span>
    </div>
<!--
    <div class="flex-sb-m w-full p-b-30">

        <div>
            <a href="#" class="txt1">
                Forgot Password?
            </a>
        </div>
    </div>
-->

    <div class="container-login100-form-btn">
        <button class="login100-form-btn">
            Register
        </button> &nbsp;
        <div><br>
            {% for message in messages %}
            <h5 class="text-danger"> !!! {{message}}</h5>
            {% endfor %}
        </div>
    </div>
</form>
</div>
</div>
</div>

<!--
=====
=====-->
    <script src="{% static 'vendor/jquery/jquery-3.2.1.min.js' %}"></script>
    <!--
=====
=====-->
    <script src="{% static 'vendor/animation/js/animation.min.js' %}"></script>

```

```

<!--
=====
----->
<script src="{% static 'vendor/bootstrap/js/popper.js' %}"></script>
<script src="{% static 'vendor/bootstrap/js/bootstrap.min.js' %}"></script>
<!--
=====
----->
<script src="{% static 'vendor/select2/select2.min.js' %}"></script>
<!--
=====
----->
<script src="{% static 'vendor/daterangepicker/moment.min.js' %}"></script>
<script src="{% static 'vendor/daterangepicker/daterangepicker.js' %}"></scri
pt>
<!--
=====
----->
<script src="{% static 'vendor/countdowntime/countdowntime.js' %}"></script>
<!--
=====
----->
<script src="{% static 'js/main.js' %}"></script>

</body>
</html>

```

xxii). Templates/res.html

```

<!doctype html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Search YouTube</title>
  <!-- Bootstrap core CSS -->
  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.mi
n.css" rel="stylesheet"
    integrity="sha384-
gg0yR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZw1T" crossorigin="an
onymous">

  <meta name="viewport" content="width=device-width, initial-scale=1">

```

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">
</script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
<style>
  .bd-placeholder-img {
    font-size: 1.125rem;
    text-align: middle;
    -webkit-user-select: none;
    -moz-user-select: none;
    -ms-user-select: none;
    user-select: none;
  }

  @media (min-width: 768px) {
    .bd-placeholder-img-lg {
      font-size: 3.5rem;
    }
  }

  .jumbotron {
    padding-top: 3rem;
    padding-bottom: 3rem;
    margin-bottom: 0;
    background-color: #fff;
  }

  @media (min-width: 768px) {
    .jumbotron {
      padding-top: 6rem;
      padding-bottom: 6rem;
    }
  }

  .jumbotron p:last-child {
    margin-bottom: 0;
  }

  .jumbotron-heading {
    font-weight: 300;
  }
}
```

```

.jumbotron .container {
  max-width: 40rem;
}

footer {
  padding-top: 3rem;
  padding-bottom: 3rem;
}

footer p {
  margin-bottom: .25rem;
}
</style>
<!-- Custom styles for this template -->

</head>

<body>
  <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
    <!-- Links -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link" href="{% url 'home' %}">Home</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="{% url 'articles' %}">Articles</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="{% url 'videos' %}">Videos</a>
      </li>
    </ul>
  </nav>
  <main role="main">

    <section class="jumbotron text-center" style="background-color: #112222;">
      <div class="container ">
        <h1 class="jumbotron-heading text-white" ><b>Search YouTube</b></h1>
        <p class="lead text-muted text-white">Get the results for your query and view the summarized version!!!</p>
        <form method="POST">
          <div class="input-group mb-3">
            {% csrf_token %}
            <input type="text" name="search" class="form-control" aria-label="Username">

```

```
</div>
<p>
    <button type="submit" name="submit" value="search" class="btn btn-
light my-2" style="color: #112222;"><b>YouTube Search</b></button>
    <button type="submit" name="submit" value="lucky" class="btn btn-
light my-2" style="color: #112222;"><b>I'm Feeling Lucky</b></button>
</p>
</form>
</div>
</section>


<div class="album py-5 bg-light">
    <div class="container">
        <div class="row">
            {% for video in videos %}
                <div class="col-md-4">
                    <div class="card mb-4 shadow-sm">
                        </img>
                        <div class="card-body">
                            <p class="card-text">{{ video.title }}</p>
                            <div class="d-flex justify-content-between align-items-center">
                                <div class="btn-group">
                                    <a type="button" href="{{ video.url }}" class="btn btn-
lg text-white" style="background-color: #112222;">View</a><br>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
                                    <br></form>
                                    <a type="button" class="btn btn-lg text-
white" style="background-
color: #112222;" href="get_vid_sum?title={{ video.title }}&url={{video.url}}&id={
{video.id}}">Summarize</a>
                                </div>
                                <small class="text-muted">{{ video.duration }} mins</small>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <div class="modal" id="myModal{{forloop.counter}}">
            <div class="modal-dialog">
                <div class="modal-content">

                    <!-- Modal Header -->
```



```

        <div class="modal-header">
            <h4 class="modal-title">Summary</h4>
            <button type="button" class="close" data-
dismiss="modal">&times;</button>
        </div>

        <!-- Modal body -->
        <div class="modal-body">
            {% for sentence in video.summary %}
            <h6> -> {{sentence}}</h6>
            {% endfor %}
        </div>

        <!-- Modal footer -->
        <div class="modal-footer">
            <button type="button" class="btn btn-danger" data-
dismiss="modal">Close</button>
        </div>

    </div>
</div>
</div>
    {% endfor %}
</div>
</div>
</div>

</main>
</body>

</html>

```

xxiii). Templates/result.html

```

{% extends 'base1.html' %}
{% block content %}

<div class="container">
    <div class="col-md-4 col-lg-12 content-card">
        <div class="card-big-shadow">
            <div class="card card-just-text" data-background="color" data-
color="blue" data-radius="none">
                <div class="content">

```

```

        <hr class="new">
        <p class="description">
            {% for line in summary %}
                <p>{{line}}</p>
            {% endfor %}
        </p>
    </div>
    <hr class="new">
    {% if user.is_authenticated %}
    <form class="text-center p-
5" method="POST" action="{% url 'save_summary' %}">
        {% csrf_token %}
        <input type="hidden" value="{{ summary }}" name="summary">
        <input type="text" name="title" placeholder="Enter title" req
uired>
        <input type="submit" class="btn btn-
success" value="Save Summary">
    </form>
    {% else %}
        <h3 class="text-center p-5 text-white">
            Login Now to Save Your Summary<br><br>
            <a type="button" class=" mt-1 btn btn-lg bg-
white" style="color: #112222;" href="accounts/login"><b>LOGIN</b></a>
        </h3>
    {% endif %}
    </div>
</div>
</div>
</div>

{% endblock content %}

```

xxiv). Templates/saved_title.html

```

{% extends 'base1.html' %}
{% block content %}

    <div class="container">
        <div class="col-md-4 col-lg-12 content-card">
            <div class="card-big-shadow">
                <div class="card card-just-text" data-background="color" data-
color="blue" data-radius="none">

```

```

        <div class="content">

            <h2 class="title"><b>{{ title }}</b></h2>
            <hr class="new">
            <p class="description">
                {{summary}}
            </p>
        </div>
    </div>
</div>
</div>

{% endblock content %}

```

xxv) templates/saved.html

```

{% extends 'base1.html' %}
{% block content %}
<div class="container border border-dark bg-white mt-5">
    <h1 class="text-center p-5" style="text-
shadow: 2px 2px grey;"><u>Your Summaries</u></h1>
    <div class="container">
        <div class="row">
            {% for s in summary %}
                <div class="col-md-4 col-xl-4 d-flex align-items-stretch">
                    <div class="card bg-c-yellow order-card">
                        <div class="card-block">
                            <form>
                                <p><b>{{ s.title }}</b></p>
                                <hr class="new">
                                <button class="btn btn-light"><a class="text-
dark" href="saved_title?title={{ s.title }}&summary={{s.summary}}">View Summary</
a></button>

                                <button class="btn btn-light"><a class="text-
dark" href="delete?id={{s.id}}">Delete</a></button>
                            </form>
                        </div>
                    </div>
                </div>
            {% endfor %}
        </div>
    </div>
</div>

```

```

    </div>

</div>

{% endblock content %}

```

xxvi) templates/videos.html

```

<!doctype html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
    <title>Search YouTube</title>

    <!-- Bootstrap core CSS -->
    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.mi
n.css" rel="stylesheet"
        integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T" crossorigin="an
onymous">

    <style>
        .bd-placeholder-img {
            font-size: 1.125rem;
            text-align: middle;
            -webkit-user-select: none;
            -moz-user-select: none;
            -ms-user-select: none;
            user-select: none;
        }

        @media (min-width: 768px) {
            .bd-placeholder-img-lg {
                font-size: 3.5rem;
            }
        }

        .jumbotron {

```

```

padding-top: 3rem;
padding-bottom: 3rem;
margin-bottom: 0;
background-color: #fff;
}

@media (min-width: 768px) {
  .jumbotron {
    padding-top: 6rem;
    padding-bottom: 6rem;
  }
}

.jumbotron p:last-child {
  margin-bottom: 0;
}

.jumbotron-heading {
  font-weight: 300;
}

.jumbotron .container {
  max-width: 40rem;
}

footer {
  padding-top: 3rem;
  padding-bottom: 3rem;
}

footer p {
  margin-bottom: .25rem;
}
</style>
<!-- Custom styles for this template -->

</head>

<body>
  <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
    <!-- Links -->
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link" href="{% url 'home' %}">Home</a>
      </li>

```

```

<li class="nav-item">
  <a class="nav-link" href="{% url 'articles' %}">Articles</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="{% url 'videos' %}">Videos</a>
</li>
</ul>
</nav>
<main role="main">

  <section class="jumbotron text-center">
    <div class="container text-white" style="background-color: #112222;">
      <h1 class="jumbotron-heading"><b>Search YouTube</b></h1>
      <p class="lead text-
muted">Get the top nine results on YouTube for your query!</p>
      <div class="input-group mb-3">
        <input type="text" class="form-control" aria-label="Username">
      </div>
      <p>
        <a href="#" class="btn btn-primary my-2">YouTube Search</a>
        <a href="#" class="btn btn-secondary my-2">I'm Feeling Lucky</a>
      </p>
    </div>
  </section>

  <div class="album py-5 bg-light">
    <div class="container">
      <div class="row">
        <div class="col-md-4">
          <div class="card mb-4 shadow-sm">
            </img>
            <div class="card-body">
              <p class="card-text">Video title</p>
              <div class="d-flex justify-content-between align-items-center">
                <div class="btn-group">
                  <button type="button" class="btn btn-sm btn-outline-
secondary">View</button>
                </div>
                <small class="text-muted">9 mins</small>
              </div>
            </div>
          </div>

```

```

        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4 shadow-sm">
            </img>
            <div class="card-body">
                <p class="card-text">Video title</p>
                <div class="d-flex justify-content-between align-items-center">
                    <div class="btn-group">
                        <button type="button" class="btn btn-sm btn-outline-secondary">View</button>
                    </div>
                    <small class="text-muted">9 mins</small>
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4 shadow-sm">
            </img>
            <div class="card-body">
                <p class="card-text">Video title</p>
                <div class="d-flex justify-content-between align-items-center">
                    <div class="btn-group">
                        <button type="button" class="btn btn-sm btn-outline-secondary">View</button>
                    </div>
                    <small class="text-muted">9 mins</small>
                </div>
            </div>
        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4 shadow-sm">
            </img>
        <div class="card-body">
            <p class="card-text">Video title</p>
            <div class="d-flex justify-content-between align-items-center">
                <div class="btn-group">
                    <button type="button" class="btn btn-sm btn-outline-
secondary">View</button>
                </div>
                <small class="text-muted">9 mins</small>
            </div>
        </div>
    </div>
</div>
<div class="col-md-4">
    <div class="card mb-4 shadow-sm">
        </img>
        <div class="card-body">
            <p class="card-text">Video title</p>
            <div class="d-flex justify-content-between align-items-center">
                <div class="btn-group">
                    <button type="button" class="btn btn-sm btn-outline-
secondary">View</button>
                </div>
                <small class="text-muted">9 mins</small>
            </div>
        </div>
    </div>
</div>
<div class="col-md-4">
    <div class="card mb-4 shadow-sm">
        </img>
        <div class="card-body">
            <p class="card-text">Video title</p>
            <div class="d-flex justify-content-between align-items-center">
                <div class="btn-group">

```



```

                <button type="button" class="btn btn-sm btn-outline-
secondary">View</button>
            </div>
            <small class="text-muted">9 mins</small>
        </div>
    </div>
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secondary">View</button>
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                <div class="btn-group">
                    <button type="button" class="btn btn-sm btn-outline-
secondary">View</button>
                </div>
                <small class="text-muted">9 mins</small>
            </div>
        </div>
    </div>
</div>

```



```

        <hr style="background-color:#112222;">
        <strong><h2>SUMMARY: </h2> </strong> {{post.summary}}<br>
        <hr style="background-color:#112222;">
        <form>
            <a href="add_comment?id={{ post.id }}" type="button" class="btn text-light bg-c-yellow"><b>Add Comment</b></a><br>
        </form>
        <button type="button" class="btn text-light mt-3 bg-c-yellow" data-toggle="modal" data-target="#myModal{{forloop.counter}}">
            View Comments
        </button>

    </div>

</div>

<!-- The Modal -->
<div class="modal fade" id="myModal{{forloop.counter}}">
    <div class="modal-dialog modal-lg">
        <div class="modal-content">

            <!-- Modal Header -->
            <div class="modal-header">
                <h4 class="modal-title">Comments</h4>
                <button type="button" class="close" data-dismiss="modal">&times;</button>
            </div>

            <!-- Modal body -->
            <div class="modal-body">
                {% if not post.comments.all %}
                <strong>No comments yet</strong>
                {% else %}
                {% for comment in post.comments.all %}
                <strong>{{comment.name}} -
                {{comment.date_added}} <br></strong>
                {{comment.body}}<br><br><br>
                <hr style="background-color:#112222;">
                {% endfor %}
                {% endif %}
            </div>

            <!-- Modal footer -->
            <div class="modal-footer">

```

```

                                <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
                                </div>

                                </div>
                                </div>
                                </div>
                                <br>
                                {% endfor %}
                                </div>

</div>

{% endblock content %}

```

Requirements.txt

```

beautifulsoup4==4.9.3
breadability==0.1.20
certifi==2020.12.5
chardet==4.0.0
click==8.0.0
colorama==0.4.4
cssselect==1.1.0
Django==2.2
docopt==0.6.2
feedfinder2==0.0.4
feedparser==6.0.2
filelock==3.0.12
gunicorn==20.1.0
idna==2.10
isodate==0.6.0
jieba3k==0.35.1
joblib==1.0.1
lxml==4.6.3
mysqlclient==1.3.14
newspaper3k==0.2.8
nltk==3.6.2
numpy==1.20.3
Pillow==8.2.0
psycpg2==2.8.6
pycountry==20.7.3

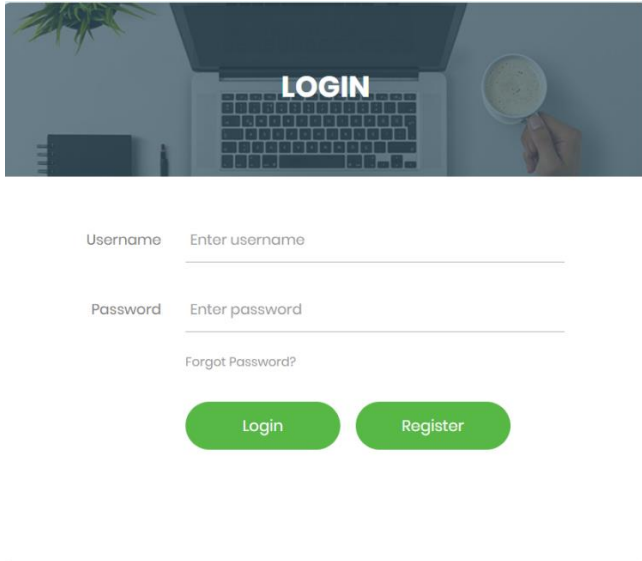
```

```
python-dateutil==2.8.1
pytz @ file:///tmp/build/80754af9/pytz_1612215392582/work
PyYAML==5.4.1
regex==2021.4.4
requests==2.25.1
requests-file==1.5.1
sgmllib3k==1.0.0
six==1.16.0
soupsieve==2.2.1
sqlparse @ file:///tmp/build/80754af9/sqlparse_1602184451250/work
sumy==0.8.1
tinysegmenter==0.3
tldextract==3.1.0
tqdm==4.60.0
urllib3==1.26.4
whitenoise==5.2.0
wincertstore==0.2
youtube-transcript-api==0.4.1
```

CHAPTER 6

RESULTS

❖ Login Page



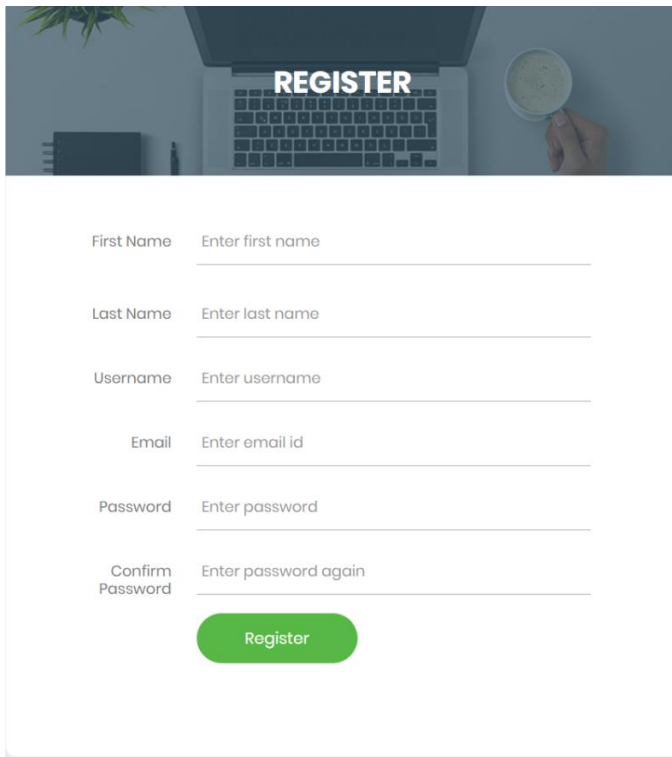
The login page features a header image showing a laptop with the word "LOGIN" overlaid. Below the header, there are two input fields: "Username" with a placeholder "Enter username" and "Password" with a placeholder "Enter password". A link "Forgot Password?" is positioned below the password field. At the bottom, there are two green buttons: "Login" and "Register".

Username

Password

[Forgot Password?](#)

❖ Registration Page



The registration page features a header image showing a laptop with the word "REGISTER" overlaid. Below the header, there are six input fields: "First Name" (placeholder "Enter first name"), "Last Name" (placeholder "Enter last name"), "Username" (placeholder "Enter username"), "Email" (placeholder "Enter email id"), "Password" (placeholder "Enter password"), and "Confirm Password" (placeholder "Enter password again"). A single green "Register" button is located at the bottom.

First Name

Last Name

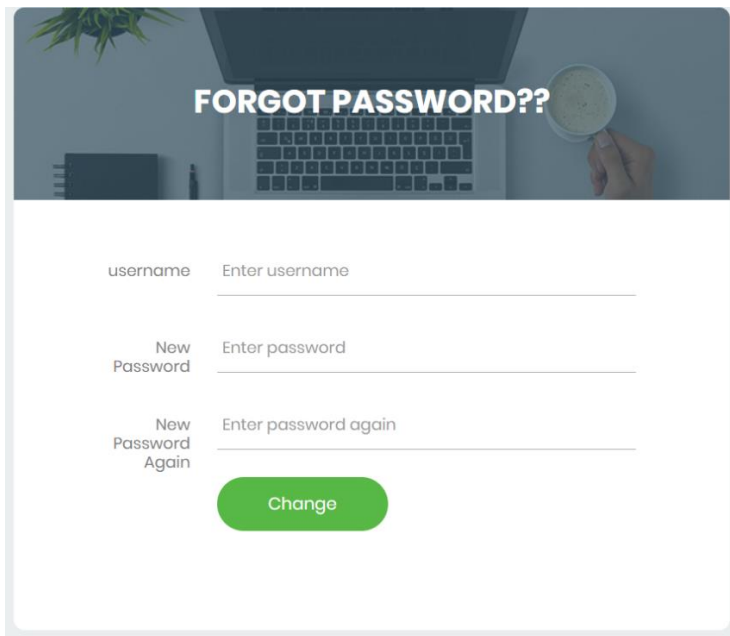
Username

Email

Password

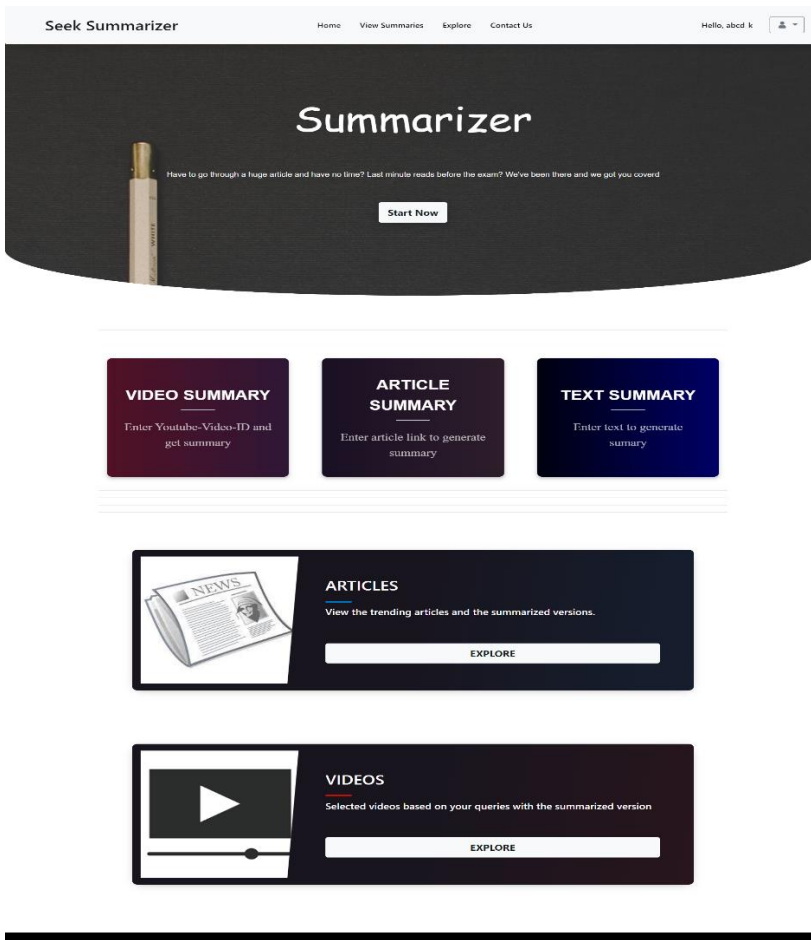
Confirm Password

❖ Forgot Password Page



A screenshot of a 'Forgot Password' web page. The header features a background image of a laptop and a hand holding a magnifying glass over a keyboard, with the text 'FORGOT PASSWORD??' overlaid. Below the header, there are three input fields: 'username' with placeholder text 'Enter username', 'New Password' with placeholder text 'Enter password', and 'New Password Again' with placeholder text 'Enter password again'. A green 'Change' button is positioned below the third input field.

❖ Home Page



A screenshot of the 'Seek Summarizer' home page. The top navigation bar includes the site name 'Seek Summarizer', links for 'Home', 'View Summaries', 'Explore', and 'Contact Us', and a user profile section with the text 'Hello, abcd k' and a dropdown arrow. The main hero section has a dark background with a pencil on the left, the title 'Summarizer' in large white text, a subtitle 'Have to go through a huge article and have no time? Last minute reads before the exam? We've been there and we got you covered', and a 'Start Now' button. Below the hero section, there are three colored boxes: 'VIDEO SUMMARY' (purple) with the instruction 'Enter Youtube-Video-ID and get summary', 'ARTICLE SUMMARY' (dark blue) with 'Enter article link to generate summary', and 'TEXT SUMMARY' (blue) with 'Enter text to generate summary'. At the bottom, there are two sections: 'ARTICLES' with a newspaper icon, the text 'View the trending articles and the summarized versions.', and an 'EXPLORE' button; and 'VIDEOS' with a video player icon, the text 'Selected videos based on your queries with the summarized version', and an 'EXPLORE' button.

❖ View all articles Page

[Home](#)
[Articles](#)
[Videos](#)

TITLE:

The Butterfly Effect | This Video Will Change Your Life | Documentary

LINK/ID:

G2tFUSLd8

SUMMARY:

But this is by no means just the case with the weather... and that was the wrong turn and the stalling of a car... A car that was carrying the Archduke of Austria Franz Ferdinand. You see on the morning of Jun 28, 1914... if not for the wrong turn made by Franz's car, he would not be shot... If not for the wrong turn... causing the UK to declare war on Germany during World War One... Had Franz not been assassinated, WWI would never have happened that way... it may not have been prevented... because that would have had a knock-on effect on your ancestors... If I was never born... but because it would have been different, maybe less or more time spent watching... but potentially the lives of so many people for years to come.

Add Comment

View Comments

TITLE:

Iconic sprinter Milkha Singh cremated with full state honours - The Hindu

LINK/ID:

https://www.thehindu.com/topic/all/rel-ca/iconic-sprinter-milkha-singh-cremated-with-full-state-honours/article3659223.ece

SUMMARY:

Legendary athlete Milkha Singh, who succumbed to COVID complications, was cremated with full state honour on Saturday here... Singh's cremation was held at the crematorium in the presence of Union Minister for Sports and placed the wreath, as a mark of respect to the departed soul... Punjab Chief Minister Amarinder Singh announced a Milkha Singh Chair at Sports University Roshni, in memory of the great athlete... The Chief Minister, who had gone to the flying Sikh's Chandigarh residence to pay his last respects to the legendary sportsman, said his government will ensure that Milkha Singh's memory continues to inspire the younger generations... The Chief Minister, who earlier announced state funeral for Indira Priya Milkha Singh, and a state holiday as a mark of respect to the Olympian, said the legacy of the great Indian sprinter would continue to live on in the hearts of the people... Also read: On the track with Milkha Singh... But Parag would mourn the legend with a state holiday, with flags flying at half mast, he added... The 1960 win in Lahore was a momentous occasion for Milkha Singh, who had lost his family in Pakistan at the time of India's partition.

Add Comment

View Comments

TITLE:

❖ Videos Page

[Home](#)
[Articles](#)
[Videos](#)

Search YouTube

Get the results for your query and view the summarized version!!

YouTube Search

I'm Feeling Lucky

TOP5s

The Butterfly Effect | This Video Will Change Your Life | Documentary

View

Summarize

9 mins

ITIHASA: A 100000 Years Story of BHARATH (INDIA) - Documentary English subtitles

View

Summarize

19 mins

Mating: Shaba Animals | Nature Planet Doc Full Documentaries

View

Summarize

5 mins

Why NO ONE makes a Documentary about: BAYON Temple - The Forbidden Documentary | Praveen Mohan

View

Summarize

11 mins

Explained | World's Water Crisis | FULL EPISODE | Netflix

View

Summarize

10 mins

6 powerful documentaries that influenced Louis Theroux

View

Summarize

16 mins

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Stock Market Highlights: Sensex falls 164 points, Nifty ends below 100000


CNBC TV18

Stock Market Highlights: Indian equity indices, Sensex and Nifty ended lower Thursday dragged by selling in IT, power and financial ...

date: 2021-07-01T14:31:52Z

Visit Site

Summarize



Nirav Modi's sister Pays 17 Crores To Probe Agency After ...


NDTV News

Nirav Modi's sister Purni Modi has given Rs 17.5 crore to the Enforcement Directorate after her name was cleared in ...

date: 2021-07-01T14:03:00Z

Visit Site

Summarize



Tecno Spark Go 2021 smartphone launched in India: Price, specifications ...


India TV News

Tecno Mobiles has announced the launch of the Spark Go 2021 smartphone for the Indian consumers at a special launch ...

date: 2021-07-01T13:35:10Z

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Everybody Is Getting Into This Game Of Vaccination Now: Dr. ...


Google News

None

date: 2021-07-01T12:25:02Z

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Expert panel allows Dr Reddy's to submit Russian trial data ...


The Times of India

India News: HYDERABAD: In a significant development which could speed up the rollout of the single dose Russian vaccine Sputnik Light ...

date: 2021-07-01T13:01:00Z

Visit Site

Summarize



Xiaomi phones and smart TVs are getting more expensive in ...


Android Central

Xiaomi has announced a price hike of up to ₹2000 for some of its smart TVs and budget Android phones.

date: 2021-07-01T12:42:32Z

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Data Shows 2 Covid Jabs Protect Against Delta Strain: European ...


NDTV News

Two doses of Covid vaccine appear to provide protection against the rapidly spreading Delta variant, the European Medicines Agency said ...

date: 2021-07-01T12:37:26Z

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Summarize



Amir Hayat, Ashfaq Ahmed handed eight-year ban for breaching ICC ...

Cricbuzz

The bans are backdated to September 2020, when they were provisionally suspended for corrupt conduct with regard to the T20 ...

date: 2021-07-01T12:13:32Z

Visit Site

Summarize

❖ Saved Page

[Home](#) [Articles](#) [Videos](#)

Your Summaries

The Butterfly Effect | This Video Will Change Your

View Summary Delete

Centre invites J

View Summary Delete

ITHIHASA - A 100000 Years Story of BHARATH (INDIA)

View Summary Delete

Iconic sprinter Milkha Singh cremated with full st

View Summary Delete

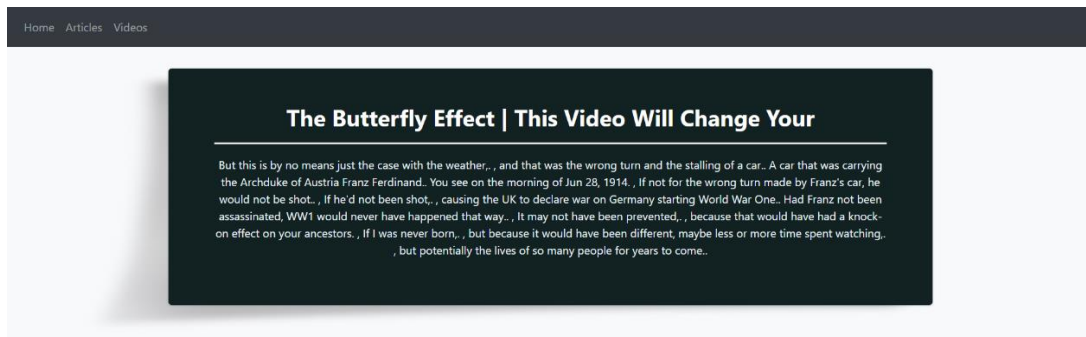
Ashoka the Great - Rise of the Mauryan Empire Documentary

View Summary Delete

Spotify users can finally download music on Apple Watch

View Summary Delete

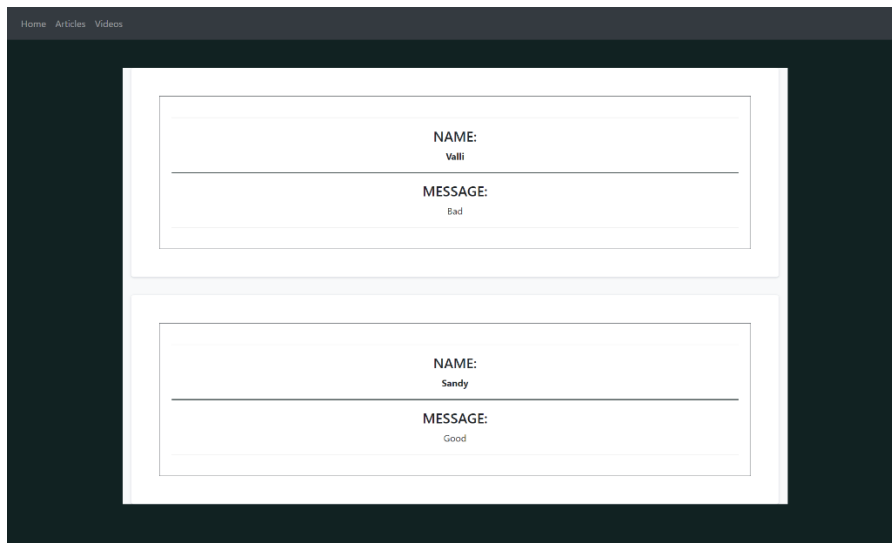
❖ Saved Summary Display:



❖ Contact Form Page

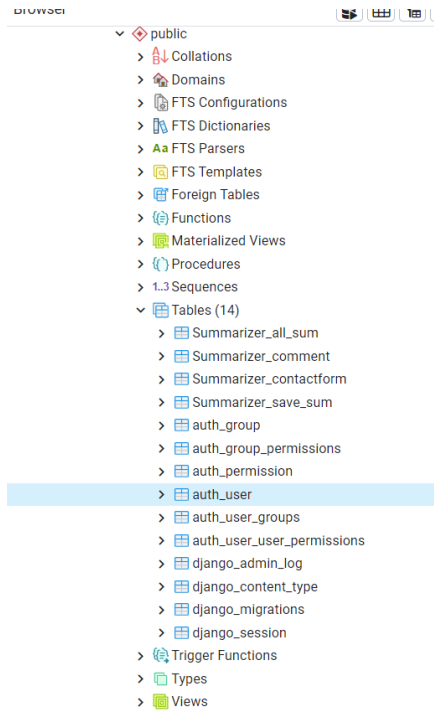


❖ Admin-messages Page



6.1 DATABASE DESIGN

PostgreSQL table



User Table:

```
1 SELECT * FROM public.auth_user
2 ORDER BY id ASC
```

	id	password	last_login	is_superuser	username	first_name	last_name
	[PK] integer	character varying (128)	timestamp with time zone	boolean	character varying (150)	character varying (30)	character varying
1		pbkdf2_sha256\$150000\$9dv...	2021-06-18 23:41:08.706336+05...	false	svk11	sv	k
2		pbkdf2_sha256\$150000\$9dv...	[null]	false	svk311	svk	Kanumuri

Save-summaries table

```
1 SELECT * FROM public."Summarizer_save_sum"
2 ORDER BY id ASC
```

	id	title	summary	user_id
	[PK] integer	character varying (100)	character varying (5000)	integer
1	4	Top 10 things to know before ...	(<Sentence: The Indian stock m...	5
2	5	Top 10 things to know before ...		5

CHAPTER 8

CONCLUSION AND FUTURE SCOPE

CONCLUSION:

We have successfully executed our web development project – Seek Summarizer. It is a good website for people to view the summarized version of any article or text they would want to read. It also helps keep the saved summaries in an organized manner and also helps us see the new summaries that are being searched by the users. We ran and tested our website to make sure that there are no bugs and made sure that it runs effectively. It has a simple design so that any user can access the content easily.

FUTURE SCOPE

In this project we have used extractive summarizing algorithm (Text Rank algorithm) to summarize the content. This method uses identifies the important sections of text and generates a summary. In the future we plan on converting this extractive approach of summarization to an abstractive approach which uses advanced NLP which reproduces the important material in a new way after interpretation and extraction of text to generate a summary which conveys more critical and accurate information compared to extractive approach.

CHAPTER 9

REFERENCES

- <https://medium.com/sciforce/towards-automatic-text-summarization-extractive-methods-e8439cd54715>
- <https://www.youtube.com/watch?v=lc2KvFbbfAQ&t=635s>
- <https://github.com/thesohelshaikh/text-summarizer>