PROJECT DESCRIPTION

A Photo updating app that depicts what is currently happening in kenya right now with search functionality.

BDD/USER FUNCTIONALITY

- User should be able to enter the category of the pictures the want to view inside a search bar
- Once search button is clicked user should be able to view list of photos for that day.

IMPLEMENTATION

This project is going to be implemented using a combination of client and server side web technologies to achieve the desired functionality.

CLIENT SIDE

This is the code that will be interpreted or executed by the browser. This side is mainly visible to practically every visitor on the site.

Technologies to be used will be
HTML,JAVASCRIPT,CSS

SERVER SIDE

This is the code that will be interpreted and executed by the server. It is the part that is not viewable or even accessible by site visitors.

Technologies use will be
Python programming language

FRAMEWORKS

The project will utilize django framework and bootstrap framework for rendering templates

LIFECYCLE OF THE WEB APP

The agile development process we be used to develop the app emphasis on quick research,design then programming with often delivery and iterations and until the final desired outcome is achieved.

WALKTHROUGH

1. Open terminal create project director e.g mkdir new_project
2. Install virtual environment e.g python3.6 -m venv
3. Activate the virtual environment e.g source virtual/bin/activate
4. Install python django framework e.g pip install django
5. Create a new django project
6. Create a new django app
7. Create a new database for the project e.g pip install pyscopg2
8. Create a routing file for routing e.g touch urls.py
9. Creating view functions for backend logic
10. Connect static files to your app
11. Build templates for app UI
12. Install bootstrap to app e.g pip install bootstrap3
13. Collect all static files e.g python manage.py collectstatic
14. Connect apache/nginx web server to handle app request - code for the server configuration scripts will be attached
15. Prepare app for deployment by refractering folder structure
16. Add gunicorn and whitenoise for deployment e.g pip install gunicorn whitenoise
17. Install heroku cli e.g pip instal heroku-cli
18. Login to cli and save all changes e.g heroku login
19. Deploy app to heroku