

Video Analytic System

Aim:- In this project we want to generate some analytics on a video given by a user. We will display these generated insights and display them back to user.

Input:- A recorded video of a room/cctv footage.

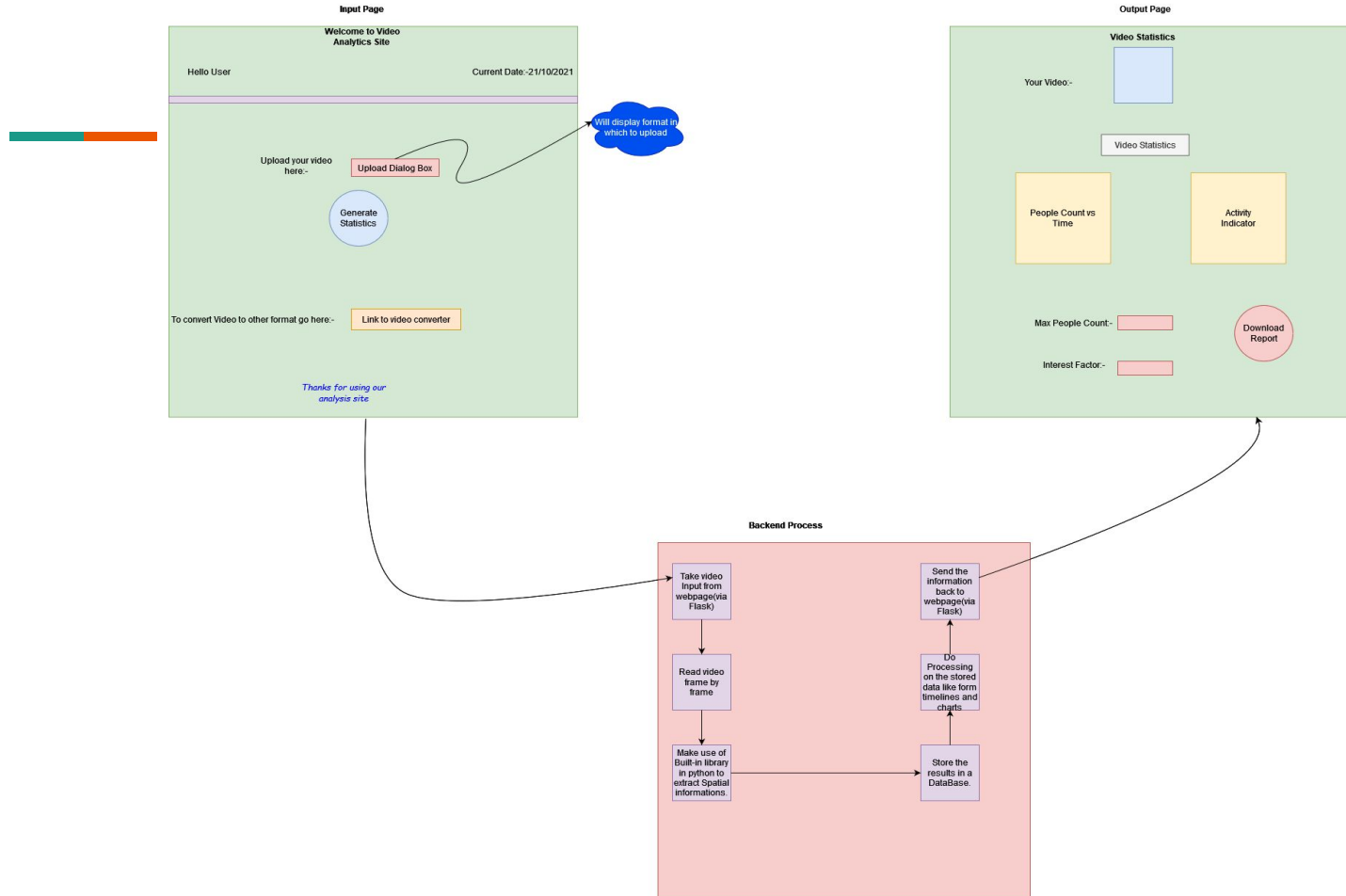
Output:- We would like to display these insights on video

1. A graph of people present over the duration of video.
2. Activity graph, highlighting section of video in which some activity is happening.
3. Some general statistics(Numerical Outputs):-
 - a.) Maximum number of People throughout the footage
 - b.) $\text{Interesting_factor} = \text{Active time} / \text{Total time of video}$

Data:- We will use user's uploaded video as our data.

Data Processing:- We will be using OpenCv library in python for processing video's spatial information like detecting number of people in the video frame and keep track of Person that are currently in the frame.

Expected Outcome of this project



Contents Delivered

Structural Flow of Project

