Crowd_Count++

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Response to Feedback

- Technicalities ⇒ We will present a short demo and discuss more technical parts of system

- Details on Background Subtraction
  - Moving away from facial recognition route

- Real User Application ⇒ Security Cameras
MongoDB with PyMongo

- Using MongoDB as our Database
- Laid the groundwork for communication between Python end of our system with the database using PyMongo
Current issues with ASF format

- Video resolution is too low, as a result image standardization is not outputting desired results => 1024 x 1024 images are of extremely bad quality.

- Still having issues on standardization of video footage: converting any input video to opencv compatible video format.

- Experimenting with opencv compatible formats with higher resolutions

- Experimenting with outdoor footage
## Project Management

<table>
<thead>
<tr>
<th>Team member</th>
<th>Task</th>
<th>Due date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Juan/Michael/Rosario</td>
<td>Fixing video resolution issue. Install Video Camera in the classroom.</td>
<td>April 15th</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ongoing</td>
</tr>
<tr>
<td>Rosario</td>
<td>Background subtraction phase II.</td>
<td>April 6th</td>
</tr>
<tr>
<td>Juan</td>
<td>Updates of backend to successfully update records in the web application.</td>
<td>April 6th</td>
</tr>
<tr>
<td>Michael</td>
<td>Conversion of input video to compatible video to opencv(avi, mp4, mov).</td>
<td>April 15th</td>
</tr>
</tbody>
</table>
API:

http://localhost:8080/count/location

location = [“SHEPARD”, ”OTHERS”]
Questions?