spring2024 major project
weekly update #2

transcribing indian classical dances

akshat punia & niramay patel

what we did this week

old approach

handrecognition,py - hardcoded video path , divides in frame, crops and takes out hand and stores in unsorted db.

new approach

twos file give user choice in terminal in defined process:

1. run 'handrecognition.py' and choose video to be analyzed, enter frames to skip, pics saved to unsortedDB in a dedicated folder.

2. run 'sorting.py' and select folder from unsortedDB, classify the image by choosing 1-27 of the Mudras, then either Y/N on the next selection to save time.

why we did what we did this week

old approach was confusing and not sequential, going forward with that would have caused confusion and caused delays and taken up more time,

new approach defines a workflow and helps grow the dataset at a much faster speed.

what we plan to do next week

Validate 'handrecognition.py' by running it over a wide variety of videos.

Growing the dataset by over 2000 photos atleast.

Train our own CNN model on our growing dataset.

all code available at :
https://github.com/akshatpunia26/DHGRClassification

past week checklist

Code a new pipeline to get video input and sort it into the respective mudra folder ✅ **Done**

Make it a simple Y/N input in the terminal to expedite the preparation of dataset ✅ **Done**