

GROUP 22

Server set up:

Local server set up using WAMP and NGROK

Step1: Download and install WAMP

Step2: Start the wamp server by clicking on wamp manager executable.

Step3: Create a folder “www” in wamp directory and add upload_video.php inside it. We have upload_video.php in the path “www/cse535/upload_video.php”

At this point, WAMP server will be hosted on localhost:80.

Step4: Download ngrok and place the executable in the “www” folder of wamp.

Step5: Open a command prompt and run the command

Ngrok http 80 (Figure 2)

This will generate a temporary public accessible url that we used to upload videos as seen in figure 2.

Figure 1: Server hosted

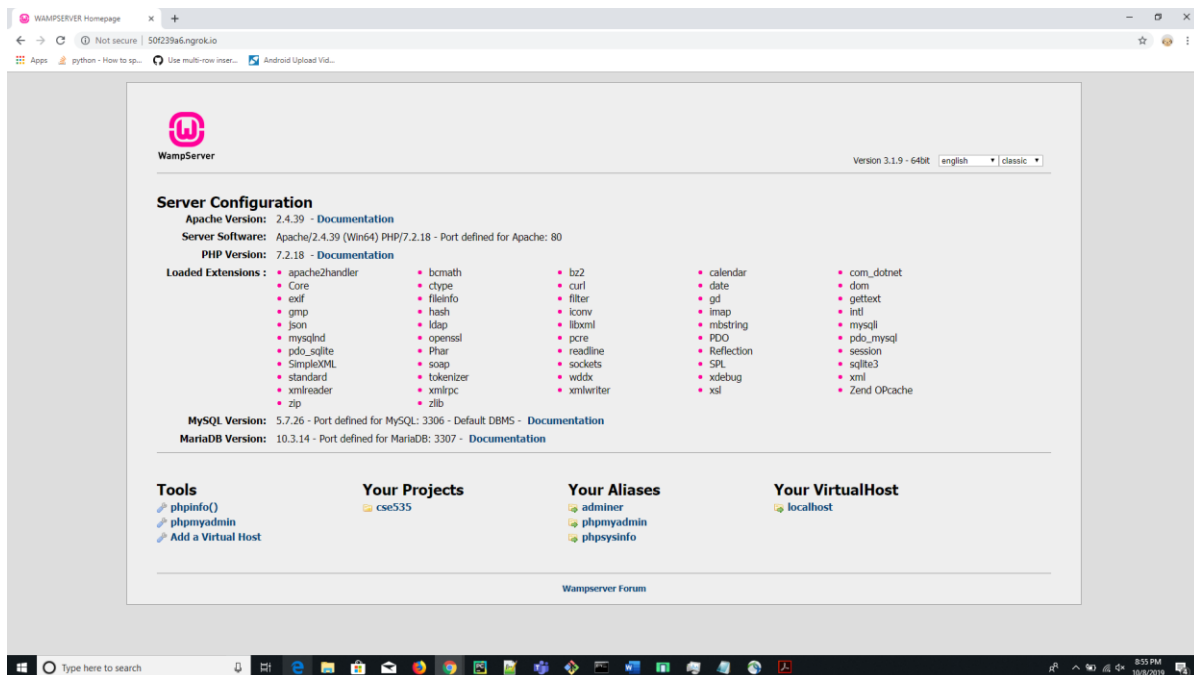
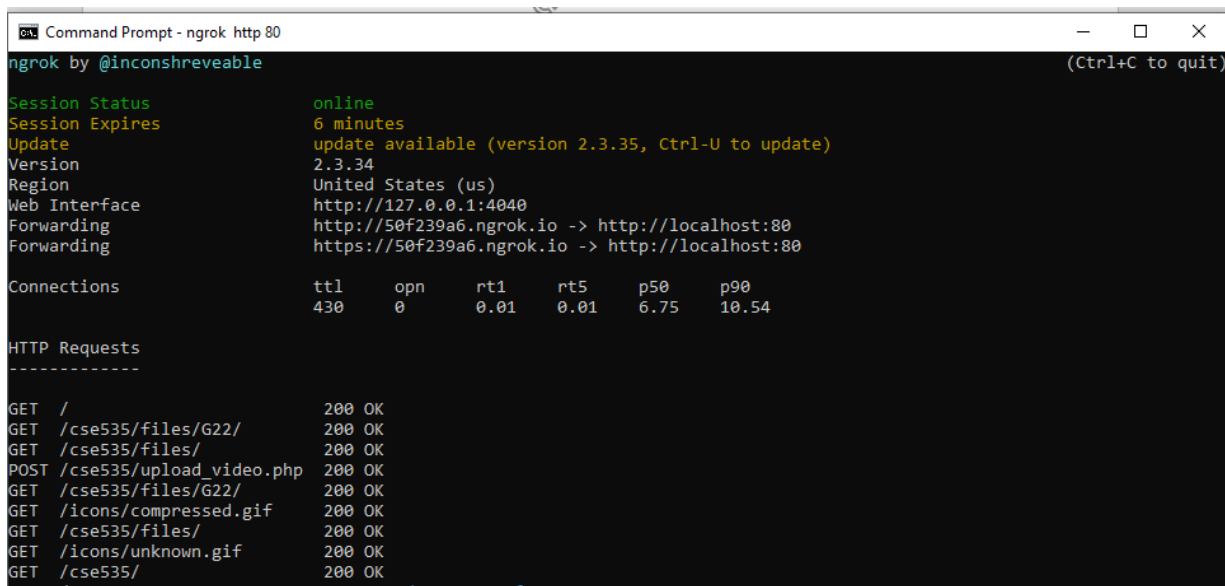


Figure 2: ngrok



```
Command Prompt - ngrok http 80
ngrok by @inconsheveable (Ctrl+C to quit)

Session Status      online
Session Expires     6 minutes
Update              update available (version 2.3.35, Ctrl-U to update)
Version             2.3.34
Region              United States (us)
Web Interface        http://127.0.0.1:4040
Forwarding           http://50f239a6.ngrok.io -> http://localhost:80
Forwarding           https://50f239a6.ngrok.io -> http://localhost:80

Connections
  ttl    opn    rt1    rt5    p50    p90
  430     0    0.01   0.01   6.75   10.54

HTTP Requests
-----
GET / 200 OK
GET /cse535/files/G22/ 200 OK
GET /cse535/files/ 200 OK
POST /cse535/upload_video.php 200 OK
GET /cse535/files/G22/ 200 OK
GET /icons/compressed.gif 200 OK
GET /cse535/files/ 200 OK
GET /icons/unknown.gif 200 OK
GET /cse535/ 200 OK
```

Below is the screenshot of all the 4 folders containing videos of the 4 team members

Figure 3: Folder structure on local server

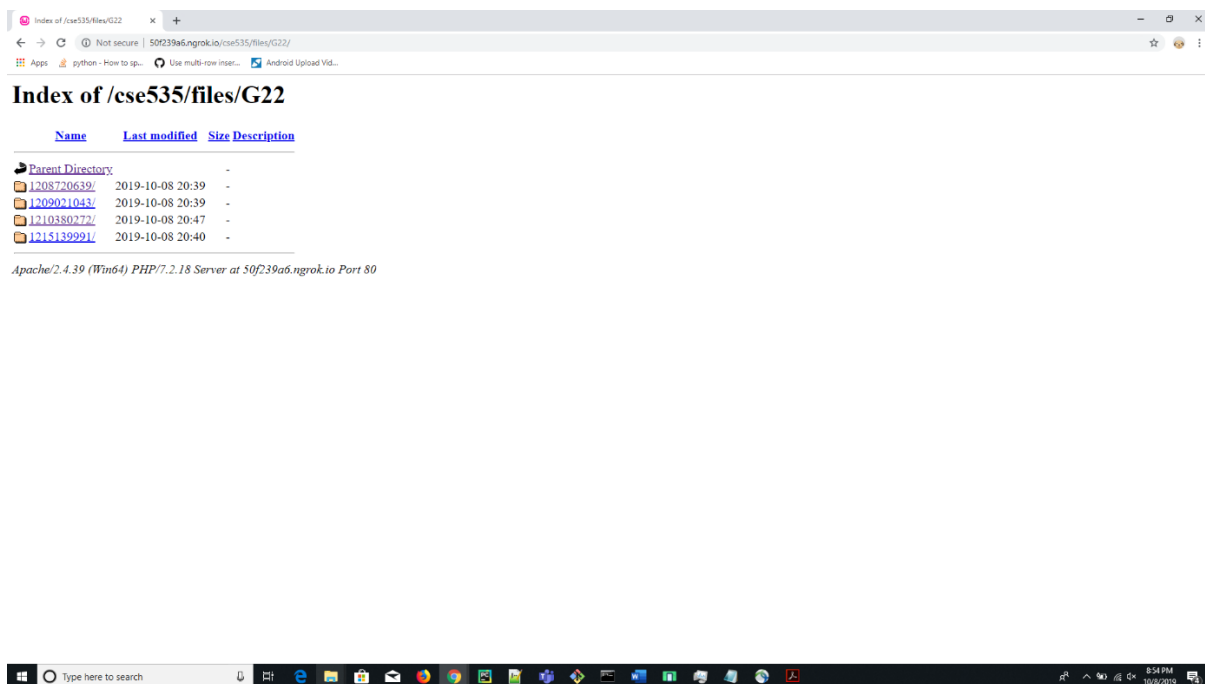
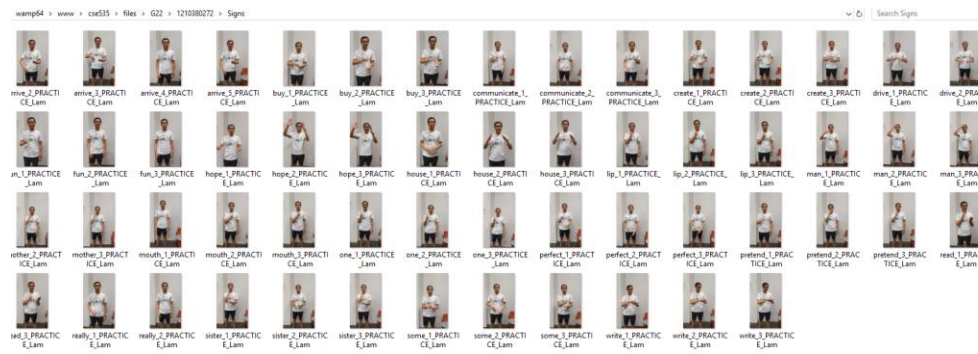
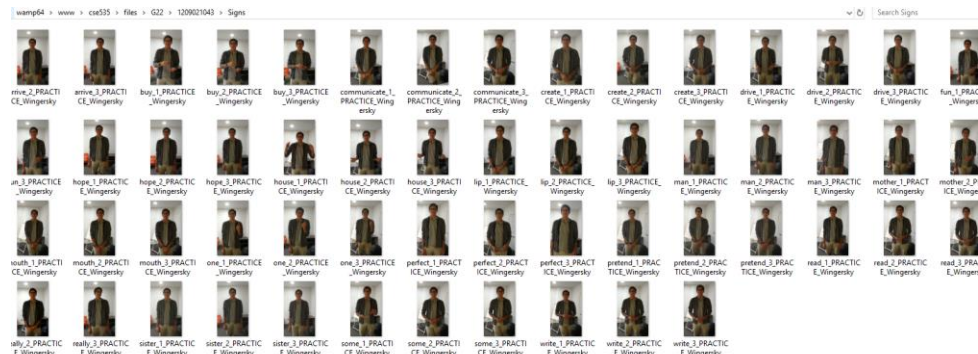
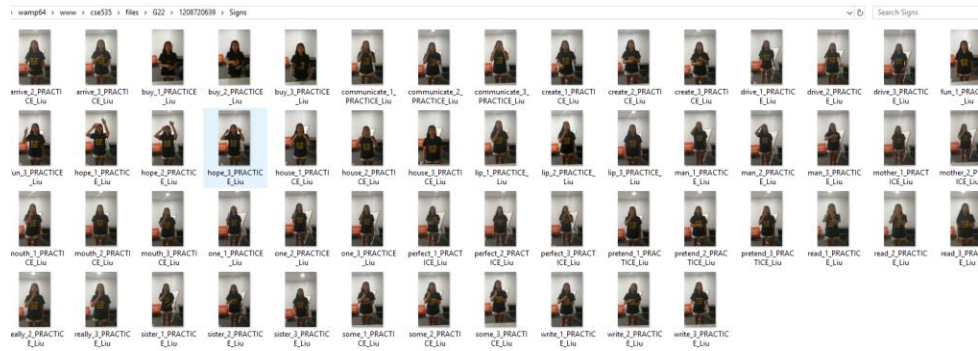
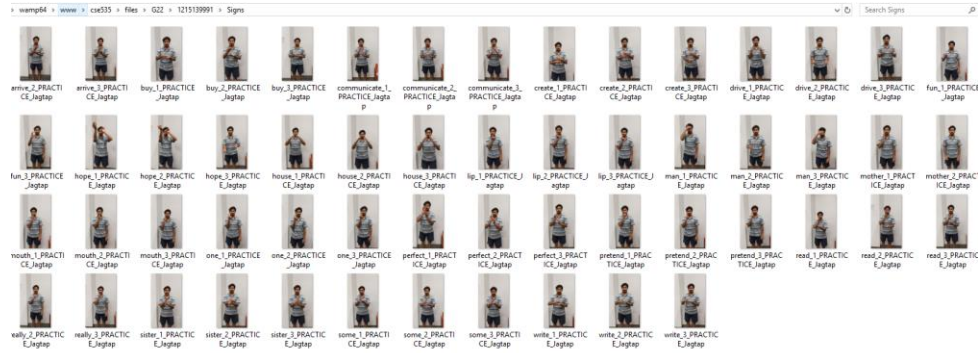


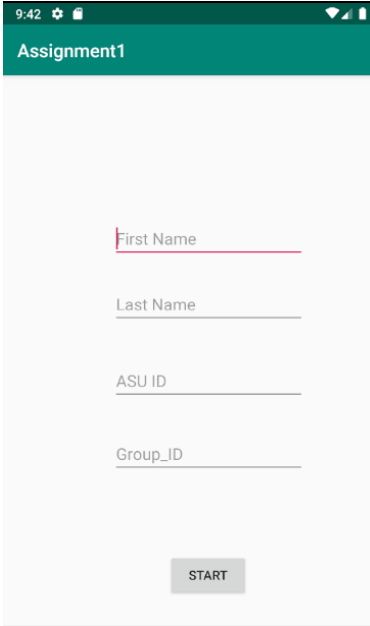
Figure 4: Actual folder of videos:



Application walk through:

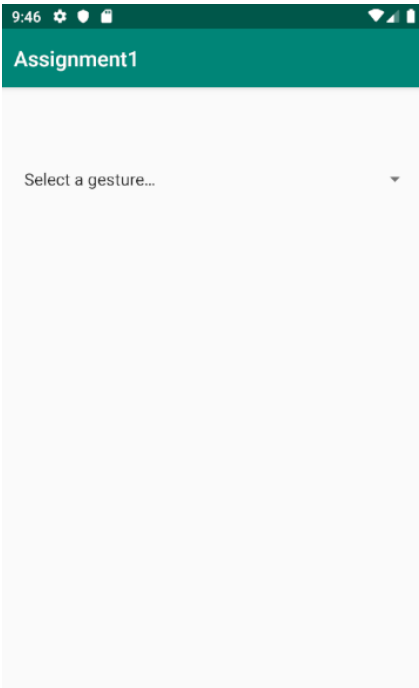
Screen 0:

Fill in your details- First name, last name , ASU ID and Group number. This data will be passed to php server for creating the required directory structure:
G\$groupid/\$asuid/\$gesture_<try_count>_PRACTICE_<lastname>.mp4

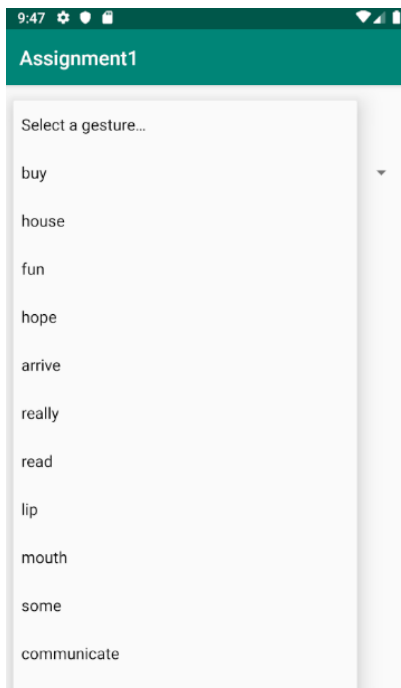


A screenshot of a mobile application interface titled "Assignment1". The screen contains four text input fields stacked vertically, labeled "First Name", "Last Name", "ASU ID", and "Group_ID". Below these fields is a grey button labeled "START". The status bar at the top shows the time as 9:42 and various system icons.

Screen 1: Select the gesture from the liist of 20



A screenshot of the "Assignment1" screen showing a dropdown menu with the text "Select a gesture..." and a downward arrow. The status bar at the top shows the time as 9:46.

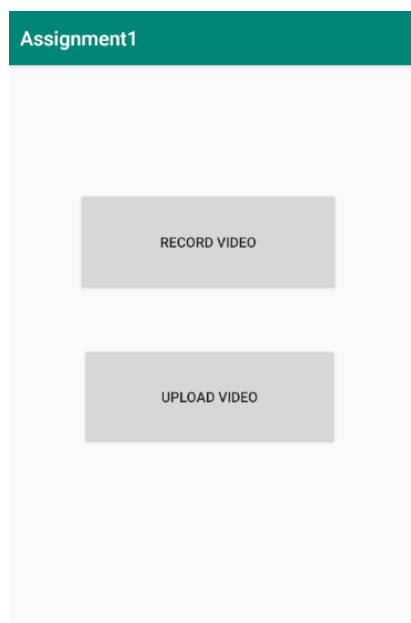


A screenshot of the "Assignment1" screen showing a list of 20 gestures: buy, house, fun, hope, arrive, really, read, lip, mouth, some, and communicate. The list is displayed in a scrollable view with a downward arrow at the top. The status bar at the top shows the time as 9:47.

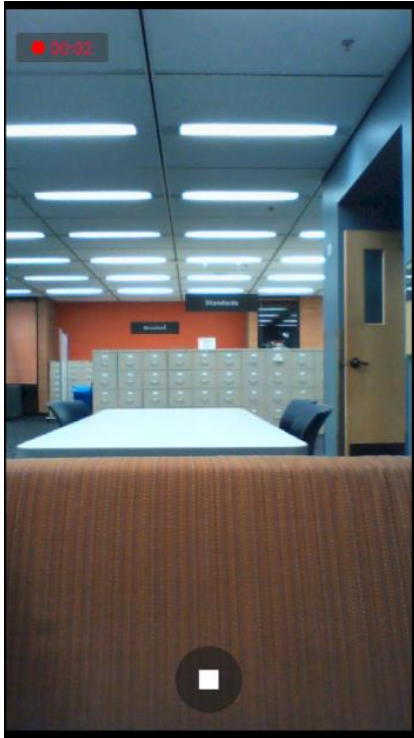
Screen 2: The video of an expert doing the gesture is played. Click on the Practice button to go ahead and practice this gesture.



Screen 3: Click on the record video button to open camera and practice / record gesture that you watched. Once the video is recorded or if 5 second times out, click on the upload button to upload video to server.



Camera :



Once the video is uploaded to the server, user is navigated back to screen 1 to learn a new gesture from drop down.

Assumption/Notes:

We have used a local server (WAMP) which was temporarily made public accessible using an ngrok url pipelining to localhost. The apk contains the same link. Once the server set up is completed, url must be changed (RecordActivity.class -line 158)in the app as per the new url of the server.

Link to the videos: https://drive.google.com/open?id=1ZtNvSRAB9UueCf6nWgdGSXlr_4CpYoZr