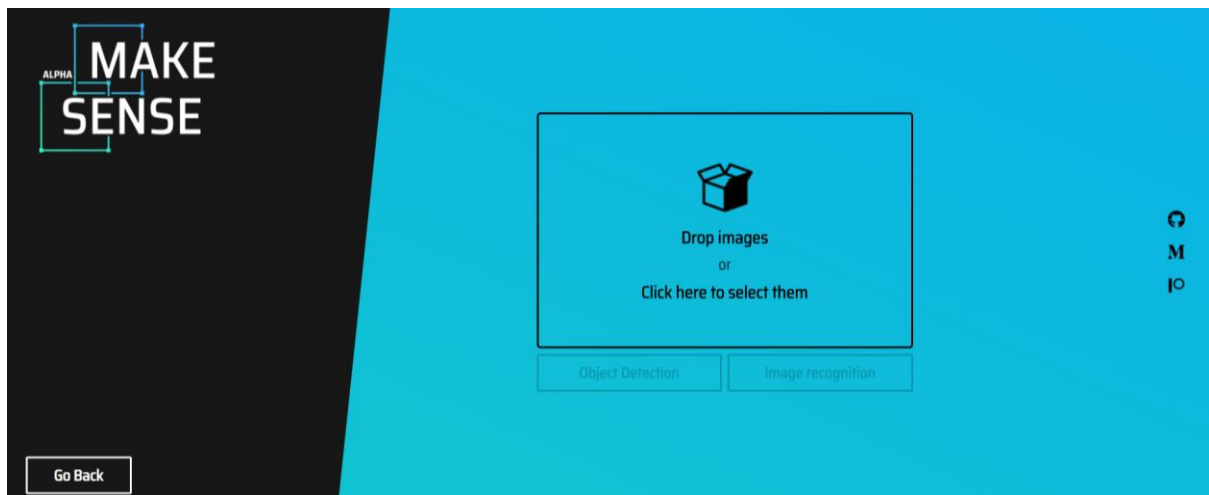
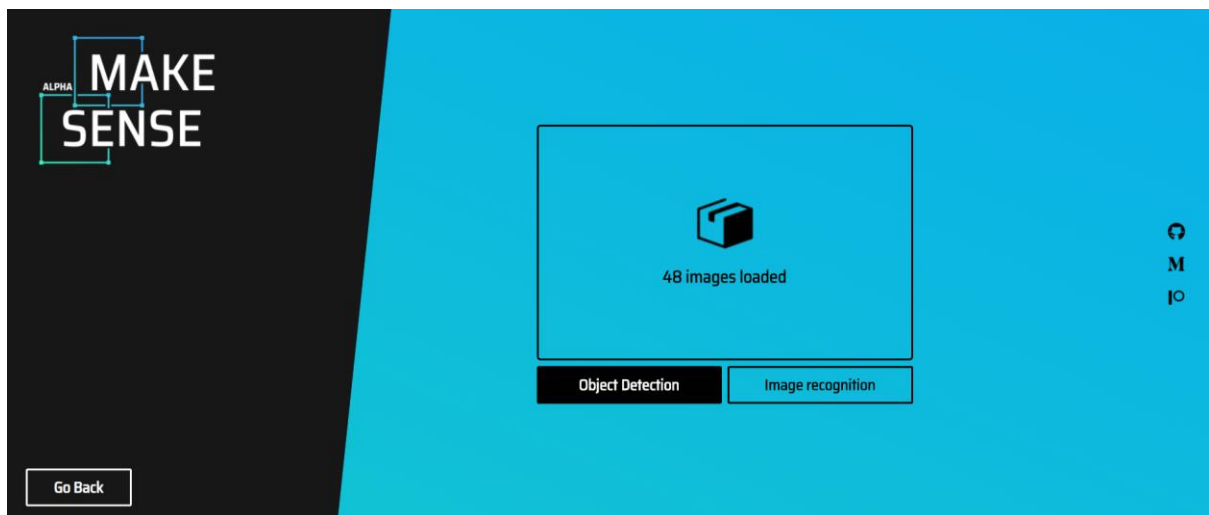


Instructions

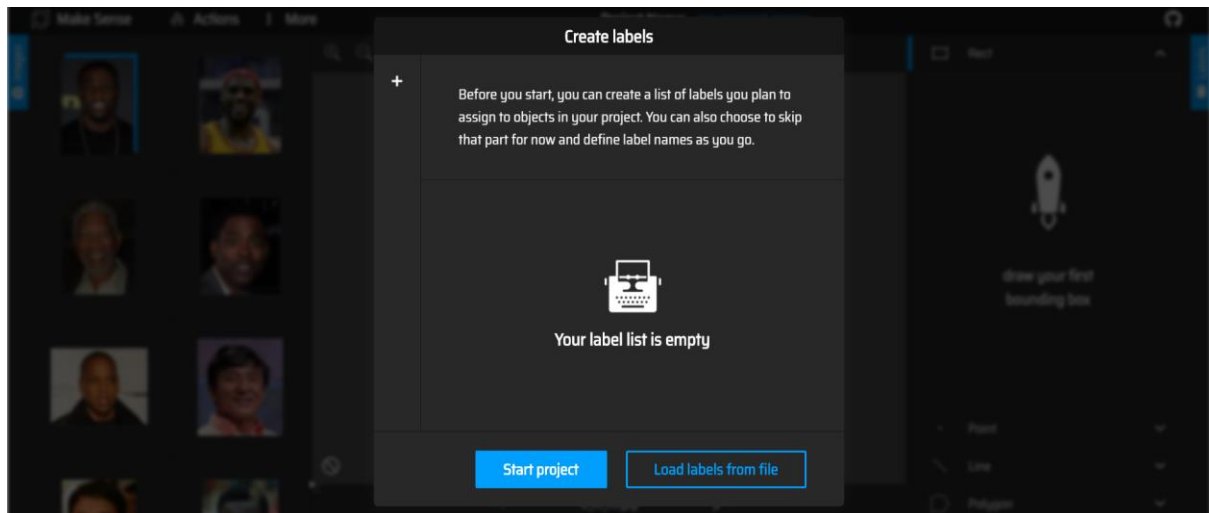
- Go to <https://www.makesense.ai/>
- Click the "Get Started" button on the lower right-hand corner of the screen
- Click the box in the centre of the screen



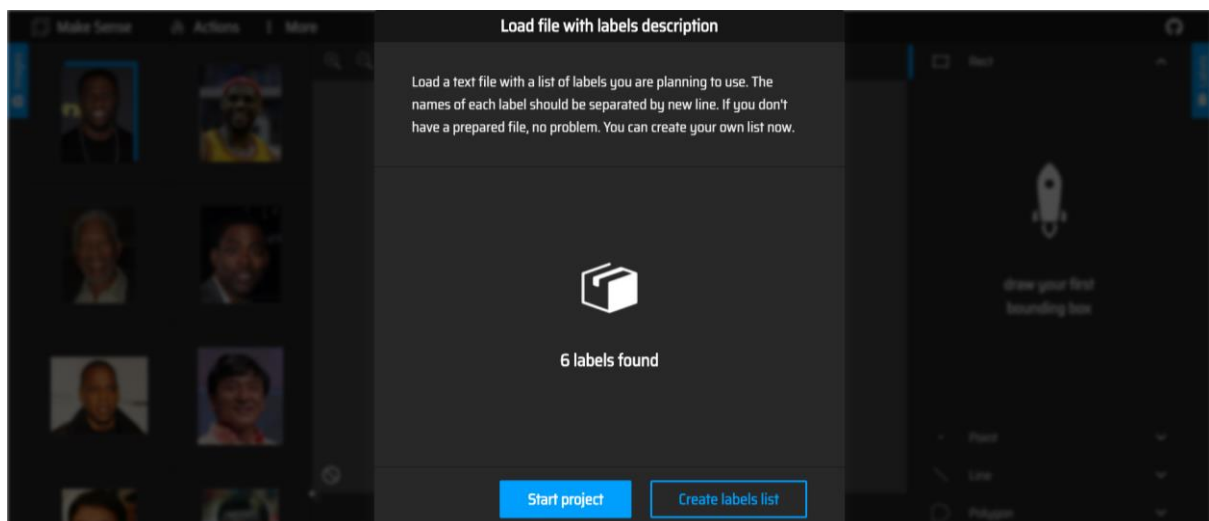
- Select the 48 images that are located in the "5025 Dataset" and load them into the program



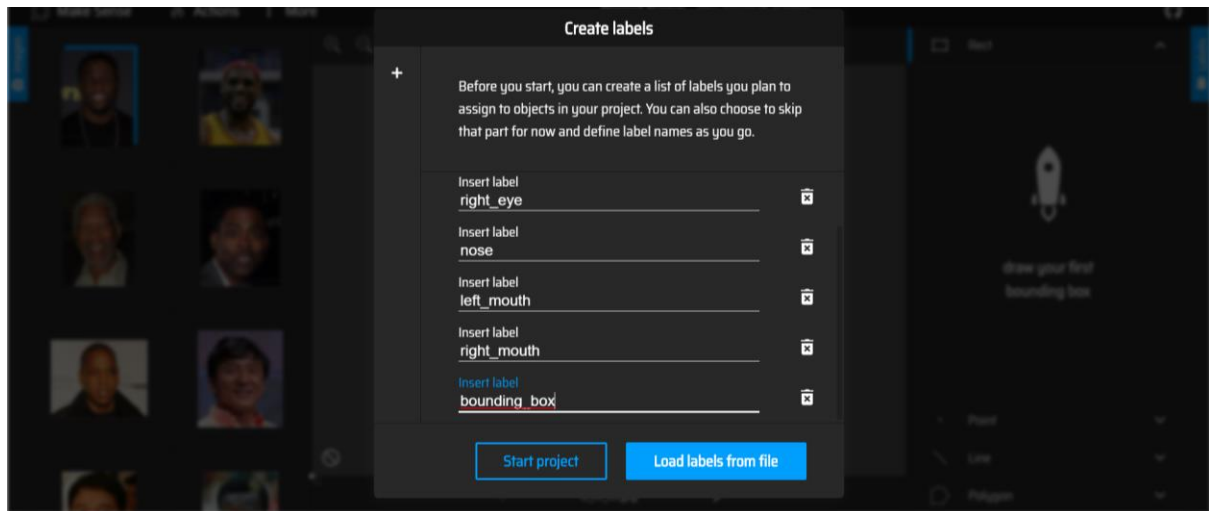
- Select "Object Detection" to get to the annotation screen



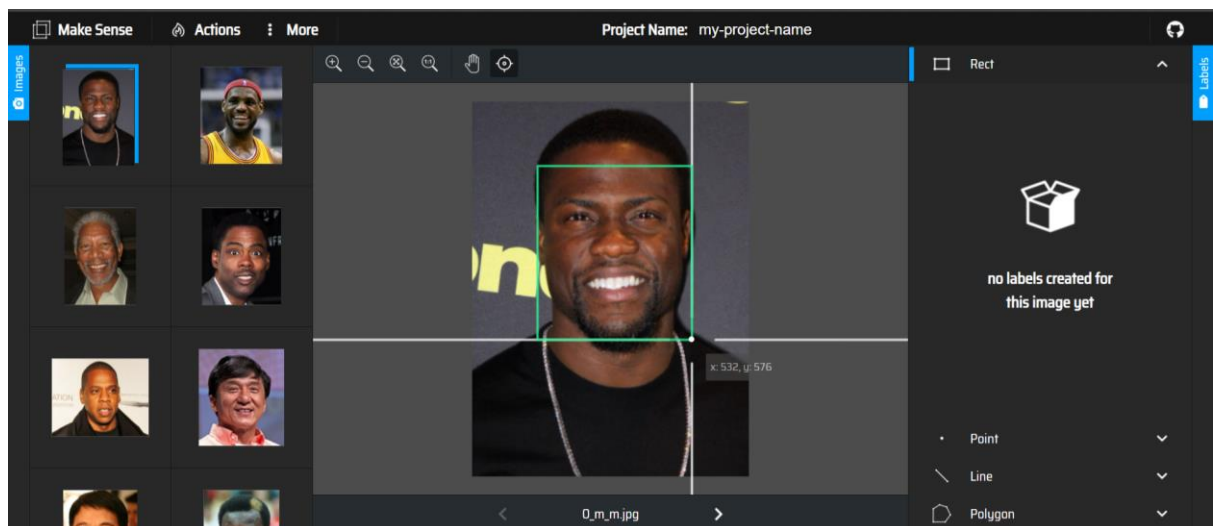
- You will be presented with the “Create labels” window. From this please select to load labels from file.
- Load in the “labels5025” file into the program.



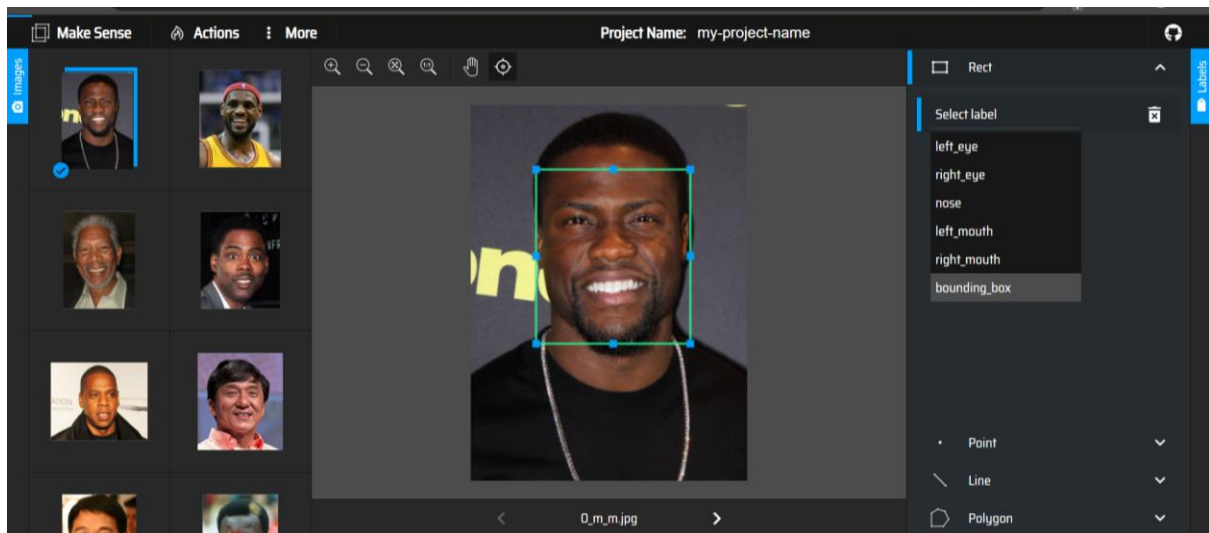
- Select “Create labels list” to generate the labels.



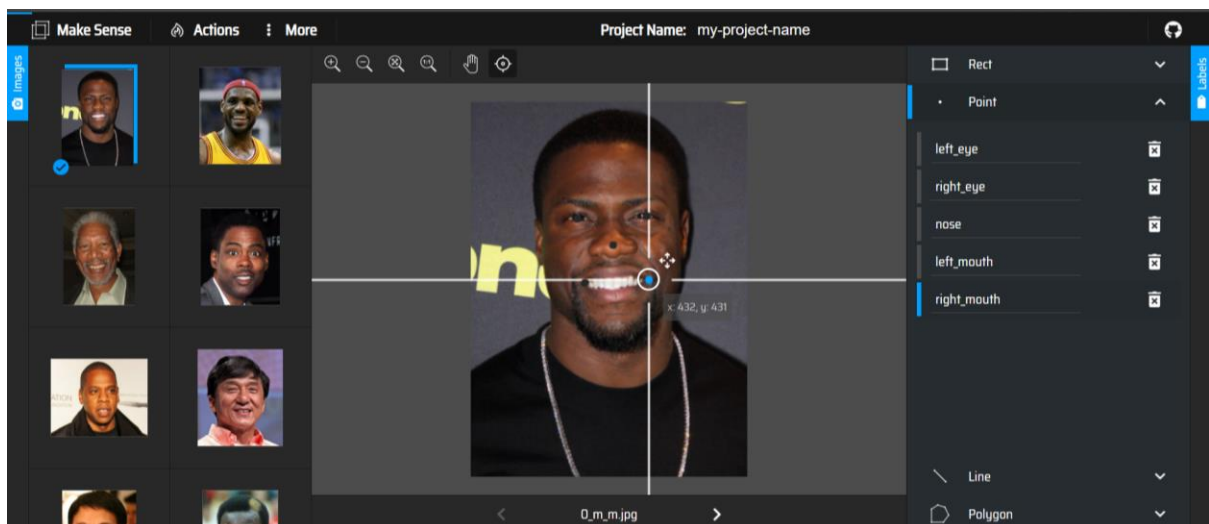
- You should see, "left_eye", "right_eye", "nose", "left_mouth", "right_mouth" and "bounding_box".
- If you can see these labels then select "Start project"



- With the "Rect" tool selected from the right hand side menu you can create a bounding box that captures the face.
- Once creating it, you will see it present on the right hand side menu.



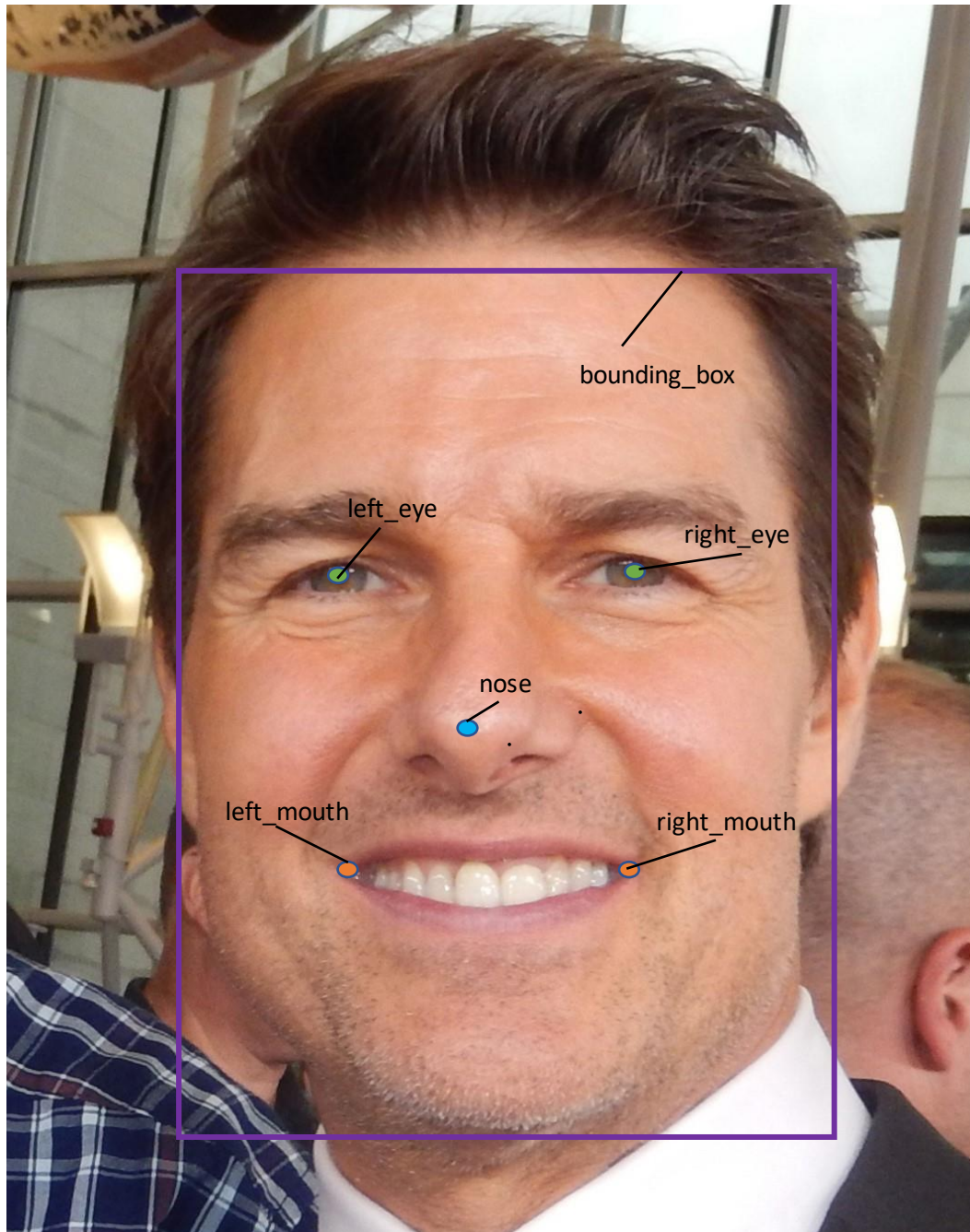
- From here you will select the appropriate label which in the case of the "rect" tool will be "bounding_box"
- Next select the "Point" tool from the right-hand side menu.
- This tool will be used to annotate the different landmark locations.



- After selecting the 5 locations you will then select the correct label corresponding to them on the right-hand side as shown above.

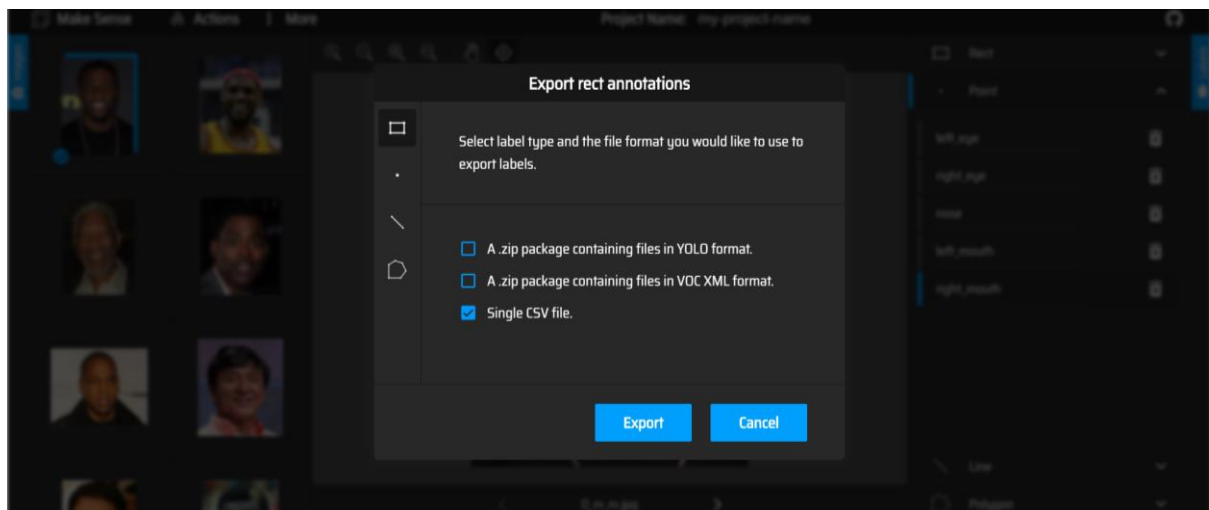
- After completing the bounding boxes and landmark points you should move onto the next image and repeat the annotations to the best of your ability.

Example Annotation

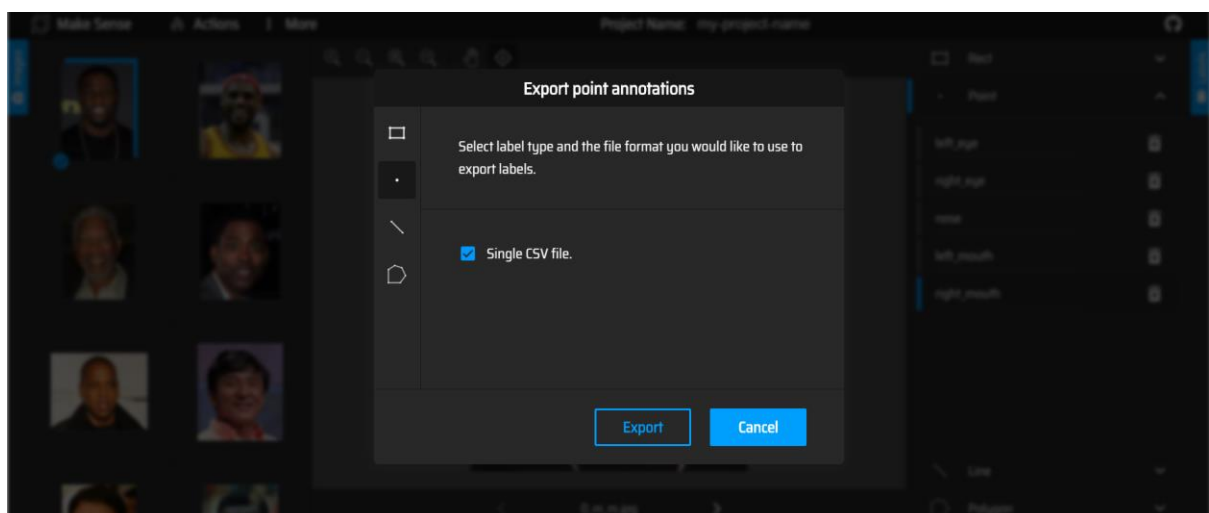


After completion

- After completing the annotations for all 48 photos
- You will select the "Actions" button on the top of the screen and then select "Export annotations"
- You will be presented with this window.



- Please select to export a "Single CSV file" for the rect and export. It should download an export csv file



- Repeat this for the points as well

- You should now have two csv files
- If done correctly they should have a similar structure as in the picture below with the files being 240 and 48 lines respectively.

The image shows two Notepad windows side-by-side. The left window, titled 'zeerak-pts_2020-10-28-05-14-11 - Notepad', displays a CSV file with 240 lines of data. The data consists of pairs of coordinates (x, y) for various facial landmarks, such as 'nose,197,306,42_f_r.jpg,456,502', 'left_mouth,146,356,42_f_r.jpg,456,502', 'right_mouth,270,359,42_f_r.jpg,456,502', 'left_eye,592,709,43_f_r.jpg,1527,1559', 'right_eye,887,713,43_f_r.jpg,1527,1559', 'nose,705,860,43_f_r.jpg,1527,1559', 'left_mouth,613,1059,43_f_r.jpg,1527,1559', 'right_mouth,866,1052,43_f_r.jpg,1527,1559', 'left_eye,168,255,44_f_r.jpg,465,616', 'right_eye,274,248,44_f_r.jpg,465,616', 'nose,222,313,44_f_r.jpg,465,616', 'left_mouth,178,351,44_f_r.jpg,465,616', 'right_mouth,279,348,44_f_r.jpg,465,616', 'left_eye,322,481,45_f_r.jpg,983,1073', 'right_eye,548,469,45_f_r.jpg,983,1073', 'nose,428,582,45_f_r.jpg,983,1073', 'left_mouth,326,689,45_f_r.jpg,983,1073', 'right_mouth,558,679,45_f_r.jpg,983,1073', 'left_eye,263,228,46_f_r.jpg,609,516', 'right_eye,378,223,46_f_r.jpg,609,516', 'nose,332,287,46_f_r.jpg,609,516', 'left_mouth,270,329,46_f_r.jpg,609,516', 'right_mouth,392,321,46_f_r.jpg,609,516', 'left_eye,214,382,47_f_r.jpg,522,891', 'right_eye,371,386,47_f_r.jpg,522,891', 'nose,300,486,47_f_r.jpg,522,891', 'left_mouth,194,531,47_f_r.jpg,522,891', 'right_mouth,371,533,47_f_r.jpg,522,891', 'left_eye,464,402,48_f_r.jpg,960,914', 'right_eye,645,408,48_f_r.jpg,960,914', 'nose,580,510,48_f_r.jpg,960,914', 'left_mouth,478,601,48_f_r.jpg,960,914', 'right_mouth,633,605,48_f_r.jpg,960,914'. The status bar at the bottom indicates 'Ln 240, Col 39'. The right window, titled 'zeerak-bb_2020-10-28-05-14-06 - Notepad', displays a CSV file with 48 lines of data. The data consists of pairs of coordinates (x, y) for various facial landmarks, such as 'bounding_box,140,443,859,711,15_m_r.jpg,1186,1401', 'bounding_box,170,395,849,927,16_m_r.jpg,1183,1485', 'bounding_box,366,546,560,642,17_m_r.jpg,1392,2088', 'bounding_box,266,548,930,1101,18_m_r.jpg,1474,1848', 'bounding_box,180,96,274,343,19_m_r.jpg,586,547', 'bounding_box,181,202,308,285,20_m_r.jpg,710,708', 'bounding_box,769,431,507,543,21_m_r.jpg,1624,1648', 'bounding_box,443,739,1368,1452,22_m_r.jpg,2156,2950', 'bounding_box,181,286,396,504,23_m_r.jpg,768,1024', 'bounding_box,206,115,187,201,25_f_m.jpg,567,469', 'bounding_box,99,97,110,118,26_f_m.jpg,307,431', 'bounding_box,106,173,154,151,27_f_m.jpg,352,389', 'bounding_box,223,309,469,494,28_f_m.jpg,929,1056', 'bounding_box,110,142,188,216,29_f_m.jpg,357,406', 'bounding_box,116,139,186,202,30_f_m.jpg,406,412', 'bounding_box,207,382,675,820,31_f_m.jpg,1117,1736', 'bounding_box,185,251,417,494,32_f_m.jpg,828,1300', 'bounding_box,410,471,1006,1258,33_f_m.jpg,1956,2120', 'bounding_box,92,90,149,199,34_f_m.jpg,340,383', 'bounding_box,75,262,385,408,35_f_m.jpg,589,923', 'bounding_box,477,372,598,782,36_f_m.jpg,1477,1471', 'bounding_box,131,170,298,386,37_f_r.jpg,584,656', 'bounding_box,108,66,136,196,38_f_r.jpg,345,306', 'bounding_box,656,648,986,1021,39_f_r.jpg,2236,2020', 'bounding_box,245,288,577,694,40_f_r.jpg,1163,1161', 'bounding_box,49,263,464,493,41_f_r.jpg,576,824', 'bounding_box,90,173,271,273,42_f_r.jpg,456,502', 'bounding_box,356,511,771,740,43_f_r.jpg,1527,1559', 'bounding_box,97,164,255,296,44_f_r.jpg,465,616', 'bounding_box,204,271,491,608,45_f_r.jpg,983,1073', 'bounding_box,198,98,242,310,46_f_r.jpg,609,516', 'bounding_box,89,227,356,452,47_f_r.jpg,522,891', 'bounding_box,319,175,404,558,48_f_r.jpg,960,914'. The status bar at the bottom indicates 'Ln 48, Col 48'.

- Please email both files to 2314940z@student.gla.ac.uk

Notes

- Please try to annotate the points to be as accurate as possible
- Try to complete the entire set of photos, which should roughly take 25 minutes
- I found that by annotating all the photos first and then going back through them to label them correctly was the quickest way

- Please make sure that the labels given to the annotations are 100% correct.