Notes on FreeLabel

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Code organization

- As described in main paper, code is written in HTML/Javascript and Python, using Django as framework
- custom functions using OpenCV and RGR are within ourLib.py
- .html files within `./templates/freelabel`
- Javascript files within `./static/js`, being included in .html files accordingly
- `base.js`: main functions used as basis for all different pages (*play, training, playFlowers*)
- `initGlobals.js`: initialization of global variables common to all these pages. Analogously, `flGlobals.js` initializes global variables for flowers page.
- `main.js`: functions used exclusively by `main.html`. Analogous for `flower.js`, `train.js` and their pairs `flower.html`,`train.html`

Dataset (inputs)

- the tool currently loads URLs from Google Drive to load images, ground-truth masks and bounding boxes;
- as defined in `views.py, viewsTrain.py, viewsFl.py`, lists of URLs are loaded from .txt files in `static` folder
- separate .txt files for images (`imgList.txt`), GT (`gtList.txt`), categories (`listCats.txt`), bounding boxes (`bboxListCls.txt`)
- analogous names for training and flower datasets (see `loadlist` function in `viewsTrain.py` and `viewsFl.py`)

Output masks

- masks are saved in specific folders for each user, under `./static/log/masks`
- saved as .mat files with filename corresponding to image ID (i.e. row number, starting from 0) in the list of images
- follows PASCAL standard of index per category

Logs

- logs are saved in specific .txt files for each user, under `./static/log`
- each row in log file correspond to statistics per image: image ID; annotation time; expected annotation time (T); no. of traces per image (to be implemented, currently set to 0); area covered by traces; no. refinement calls; score; bonus factor; accuracies per category (separated by comma); scores per category (separated by comma)
- entries preceded by #: login timestamp
- entries preceded by !: logout timestamp
- separate logs for PASCAL and flowers (Log_username.txt and LogFl_username.txt, respectively)