Reading .dsv files into a dictionary

To work with the data from file `truth.dsv`, it will be convenient to read them into a dictionary which would tell you for each file what numeral or character is depicted on the image.

Reading the .dsv file manually

Reading the data into a dictionary is not hard, you can try to implement it yourself:

- open the file for reading
- for each line in the file:
  - remove the white space in the beginning and at the end of the line using str.strip() [https://docs.python.org/3/library/stdtypes.html?highlight=strip#str.strip]
  - call str.split(':') [https://docs.python.org/3/library/stdtypes.html?highlight=split#str.split] method that will split the line into two parts using the colon as a separator
  - create key-value pair in the dictionary using the first part of the line as key and the second part as value

Take advantage of ''csv'' module

Python contains standard module csv [https://docs.python.org/3/library/csv.html] for easier work with `.csv`, `.dsv` or similar file formats. You can use it to read the `truth.dsv` file in a similar way as described here [https://www.delftstack.com/howto/python/python-csv-to-dictionary/#use-the-csv-module-to-convert-csv-file-to-dictionary-in-python]. You will only have to correctly specify the separator, i.e., set the parameter `delimiter=":"` when calling `csv.reader()`.

Nevertheless, in this particular case the use of `csv` module will not save you much work (in comparison to manual processing of the `.csv` file as suggested above).

courses/be5b33kui/semtasks/05_ml1/readcsv.txt · Last modified: 2024/02/18 20:09 by xposik

Bug reports and suggestions Helpdesk CTU