README

Code for application is in 'image_processing' directory.

Code for generating stroke relationship samples is in 'image_generate' directory.

The project application has been uploaded onto an online server at: $http://80.85.84.44\!:\!5000/public/test.html$

Characters that can be used to try out the application can be found in the thesis (Evaluation Chapter).

File structure:

<pre>project/</pre>
README.pdf Explanation of the submission files
CNN_stroke_type.py
CNN_relationship.py Code for training the CNN model for stroke relationship classification
flip_image.pyCode for generating more samples through rotating images
resize_image.py
image_processing/
image_processing.pyServer programme code
parse_graphics.py Code for transforming graphics in JSON objects to SVG format
svg_to_png.py
relationship_model.h5
stroke_type_model.h5
graphics.txt
public/
test.html
writing.html
select.jsJavaScript for character selection interface
index.jsJavaScript for character writing interface
logo_transparent.png
loading.gif
tianzige1.png
background.png
templates/
stroke_info/
character_data/
pycache/
image_generate/ Code for the generating stroke relationship samples
image_generate.pyServer programme code for generating samples
public/
generated/
pycache/