Stage 3 report

For this semester long project, for each set of the data, we only need 7 pictures to recognized weather or not this shoe is simulated, and we are going to use Tensorflow library and keras model and python to deal with our small training dataset.

For the dataset, we now collected 200 sets of images. (7 images per set) totally around 1400 images. Because the huge size of data, we only upload the sample of the dataset. Now we are self-studying deep learning and CNN (Convolutional neural networks), Code will be submitted on stage4.

The basic step of this project is:
1. Collect the data(pictures).
2. Decide which model, we will use.
3. Load the dataset.
4. Setup the basic framework.
5. Calculate the accuracy of prediction.
6. Optimize the framework.

I attach the samples of the dataset. Each shoe has 7 pictures were taken from 7 different directions. And soma addition information.

US 9.5
UK 8.5   555088-140
EUR 43   UPC 00193150368615
cm 27.5   02/06/19 | 03/27/19
BR 41
CN 275
(2.5)
MADE IN CHINA
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FABRIQUE EN CHINE
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This product is covered by one or more patents:
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9⁵	43	8⁵	27⁵

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