Training data set (train.csv) has following columns:

Column	Description
item_id	unique ID
category_class	item category
sold_price	price when the item is sold
price	price when the item is listed
area_name	where the item is listed
condition	item condition (Fair / Good / Like New)
size	shipping size
listing_at	listing datetime
item_tag_hash	hashed item tag

Testing data set (test.csv) doesn't have the "category_class" column. Let's try to predict the "category_class" of the testing data set.
NOTE: This technical test is using artificially generated training and testing data.

Metric for evaluation
"Mean f1-score"
In python, sklearn.metrics.f1_score can be used.

```
from sklearn.metrics import f1_score
score = f1_score(y, y_pred, average='macro')
```

Submissions
Please submit your prediction results and source code for the prediction through secret gist. You can use jupyter notebook and it is recommended.

● Correct CSV format for submission like:

```
item_id,category_class
6000,0
5532,4
6797,2
```

● Source code for each process which should include following steps:

```
Data analysis
Feature extraction / Feature engineering
```

Model training
Model evaluation
Prediction