In [85]:
```
RANDOM_SEED=1

import pandas as pd
import numpy as np
import seaborn as sb
import matplotlib as mp
import matplotlib.pyplot as plt  # static plotting

# modeling routines from Scikit Learn packages
import sklearn.linear_model
from sklearn.linear_model import LogisticRegression
from sklearn.metrics import roc_auc_score
from math import sqrt  # for root mean-squared error calculation

from sklearn import metrics
from sklearn.metrics import confusion_matrix, roc_curve, auc, log_los
s,accuracy_score

import warnings
warnings.simplefilter(action='ignore')

#load train csv
train=pd.read_csv("train.csv")
train_data=train
#load test csv
test=pd.read_csv("test.csv")
test_data=test
```

In [86]:
```
def corr_chart(df_corr):
    corr=df_corr.corr()
    #screen top half to get a triangle
    top = np.zeros_like(corr, dtype=np.bool)
    top[np.triu_indices_from(top)] = True
    fig=plt.figure()
    fig, ax = plt.subplots(figsize=(12,12))
    sb.heatmap(corr, mask=top, cmap='coolwarm',
        center = 0, square=True,
        linewidths=.5, cbar_kws={'shrink':.5},
        annot = True, annot_kws={'size': 9}, fmt = '.3f')
    plt.xticks(rotation=45) # rotate variable labels on columns (x ax
is)
    plt.yticks(rotation=0) # use horizontal variable labels on rows
(y axis)
    plt.title('Correlation Heat Map')
```