MSiA 423 Team 2

Project Charter – Grace Cui

**Vision**: The objective of this project is to help players understand what is the probability of a shot being a goal. Many specific attributes regarding the shots, such as team, assist method, shot location, number of players on the pitch…etc., will be taken into account.

**Mission**: Help players to better forecast if a shot will be on target using the dataset that includes totaling 941,009 events from the biggest 5 European football (soccer) leagues from 2011/2012 season to 2016/2017 season.

**Success criteria**: A web app that will show the predicted probability of a shot being a goal after user inputs values for a set of attributes.