



## Engineering Deathmatch: Spark API Edition

Contest of Contests is one of the largest social media contest companies in the world. Ever heard of Boaty McBoatface? Well, they could have totally come up with that idea, if they were only given a chance. They have been hired by Engineering Deathmatch to create a system that allows them to start and manage a Twitter contest right from within their Cisco Spark client. They want all the bells and whistles, and they want you to build it!

### Details:

You will be creating a bot that launches a Twitter contest and then tracks and notates those people that tweet or retweet the hashtag #EDMSpark. The bot will allow contest owners to define the hashtag to be tracked, start the contest and kick it off by tweeting a message out of the @EngDeathmatch Twitter account, track the contestants that either Tweet or Retweet the hashtag, provide statistics during the contests, stream the tweets and retweets of the hashtag to the room (or optionally turn that function off), choose winners, and close out the contest. The following commands and functionality will be required from your completed project:

| Command               | Functionality   |
|-----------------------|---|
| /track <hashtag>      | Defines the hashtag to track as part of the contest. This overrides any previous hashtags being tracked   |
| /start <message>      | Tweets a message from the Engineering Deathmatch Twitter account to start the contest. When this is entered, the application will start tracking tweets and retweets that involve the hashtag in question   |
| /stream <on/off>      | Enables or disables streaming of Tweets/Retweets with the hashtag that is being tracked. Default is on.   |
| /winner <#> <message> | Randomly selects a number <#> of winners and sends them a direct message from the Engineering Deathmatch account (verify that they are following @EngDeathmatch and choose another contestant if not). Additionally displays feedback about name and twitter username of those users selected into the Spark room |
| /stop <message>       | Stops tracking the hashtag and tweets out a message.  |
| /stats                | Displays the number of times the tracked hashtag has been tweeted/retweeted, as well as the change in number of followers to the @EngDeathmatch and @CiscoSparkDev accounts since the contest was started   |
| /help                 | List these commands   |