## ECS 193AB Winter/Spring2017

## Mobile App for Spoken Chinese Recognition

Background:

MLP Chinese (马立平中文) is designed for children of Chinese immigrants who are learning Mandarin Chinese as a heritage language. Spoken Chinese is an important and integral part of the MLP Chinese curriculum. iFLYTEK (科大讯飞), the pioneer and leader in the Chinese speech technology industry, provides many language applications, including speech recognition SDKs that can be utilized to help our students practice spoken Chinese.

More info:

http://mlpchinese.com (http://mlpchinese.com)

http://www.xfyun.cn (http://www.xfyun.cn)

Description:

The goal is to design and build a mobile app that will:

prompt the user to speak a Chinese word/phrase/sentence from the MLP Chinese curriculum;
get iFLYTEK's recognition result of the user's speech;
compare the recognition result with the input and provide feedback to the user.
Prefer students with prior mobile development experience. Ideally, there should be someone who knows Chinese on the team.

Platform: iOS (If time permitted, both iOS and Android would be great)

SDK: iFLYTEK's speech recognition (语音听写) SDK and integration examples can be downloaded from http://www.xfyun.cn (http://www.xfyun.cn)

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