# Speech Cooking Assistant

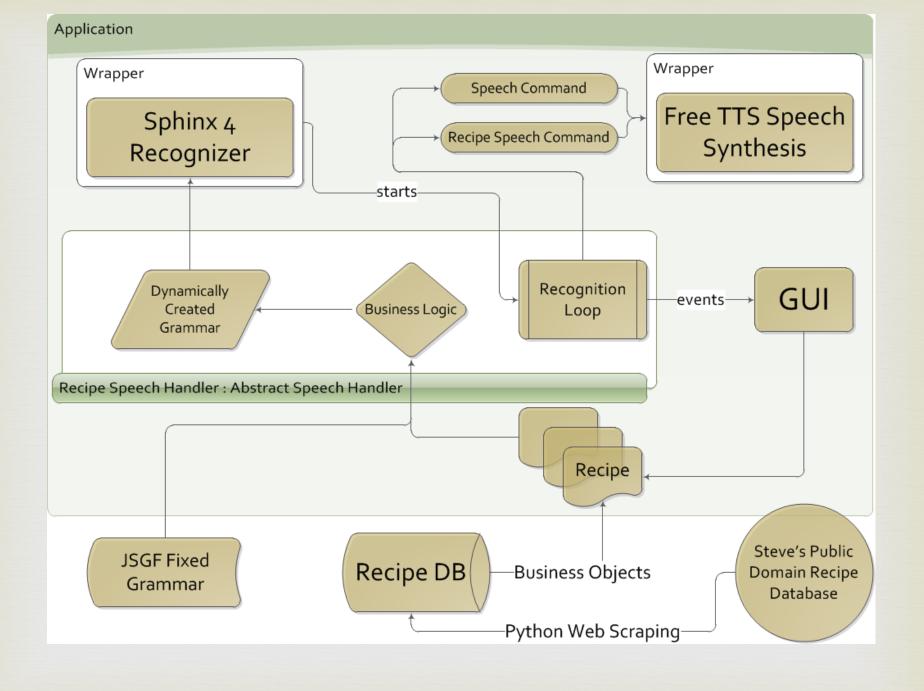
03

Michael Shafir

### Why Sphinx?

#### 03

- Reasy to use framework for Java Apps
- Runs locally
  - I don't have to deal with client-server architecture
  - ✓ No internet connection necessary
- - Only recognize ingredients that are in the current recipe.



# Challenges

#### CB

- $\bigcirc$  Minor details: Conversion .3333  $\rightarrow$ 1/3  $\rightarrow$ "one third"
- Reasily pluggable components
- $\bowtie$  GUI  $\leftarrow \rightarrow$  VUI interaction
- Working with Sphinx (Especially when considering Multithreading)

### **TODOs**

#### 03

- Speech interaction when selecting recipes
- Retter recipe scraping (never ends)
- ⊗ Better TTS (AT&T Mashups?)
- **Better Grammar**
- **Q** Unit conversions
- Adding new recipes
- ⊗ Better Speech Recognition (???)
- Fixing that annoying threading issue!
- **Nicer** installer
- Recipe Favorites/User learning and adaptation
- Serving slider
- **Cost estimator**