CS275 Project

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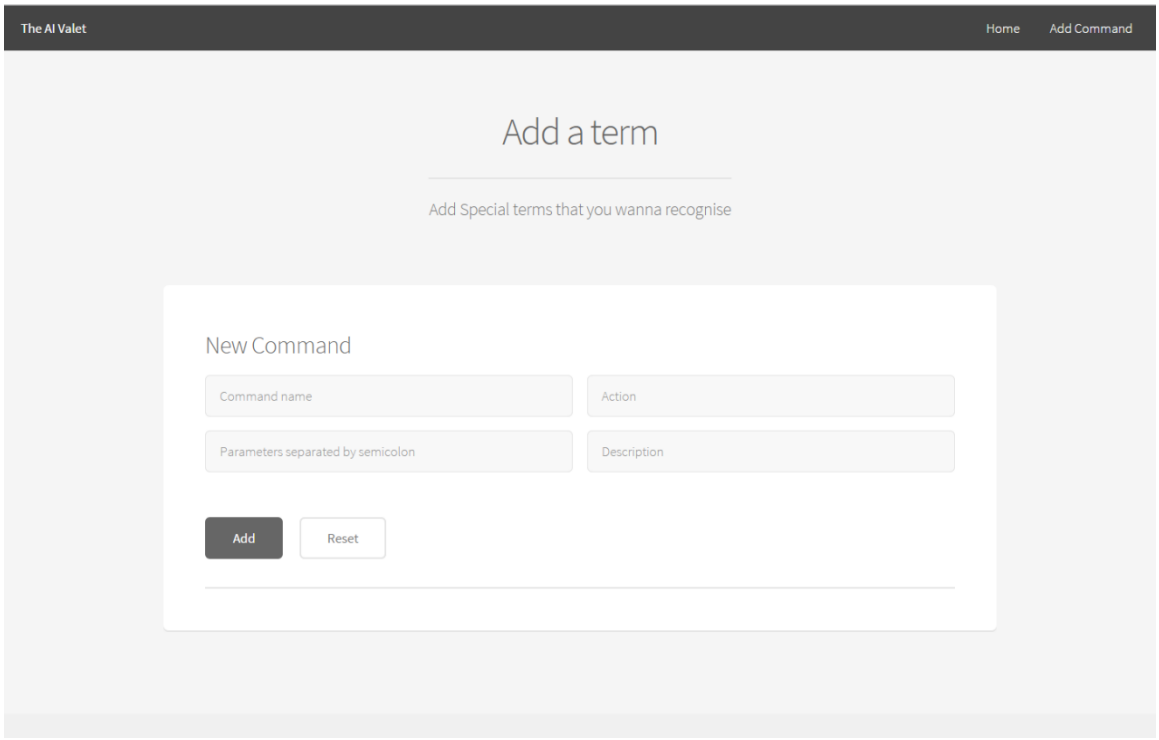
Project Documentation

1. Project Description

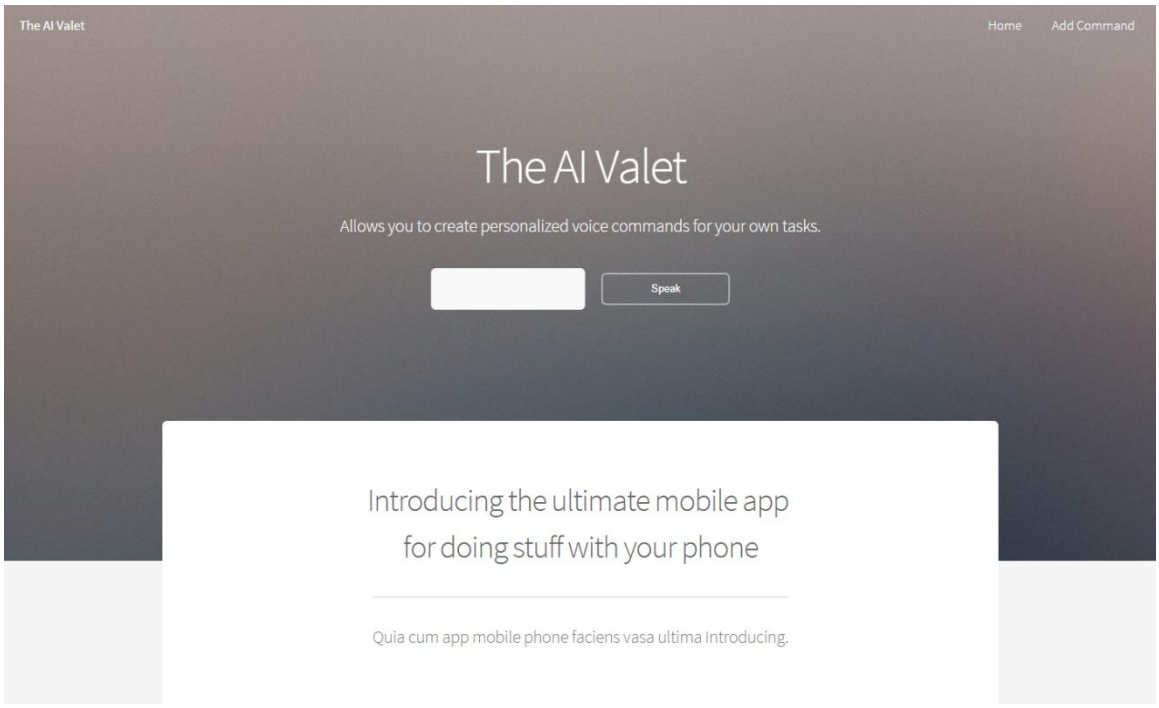
The name of our project is called “The AI Valet”. The main idea of our project is to create an android mobile application as well as a web service that allows you to create personalized voice commands for your own tasks. The core technique of this project is the speech recognition function which provided by HTML5 and supported by Google Chrome. It allows the browser to translate voice message to text message, which we can make use of.

2. Project Feature

Our project contains two features. First, you can add commands to the database and tell the program what you want to do when you calling this command. User input should include command name (which is what you are going to say to the program), action (what you want the program going to do), parameters (optional, for future usage), and description.



The second feature of our project is the voice recognition part. Once you have input a command to the database, you can call it by clicking on the speak button and speak it.



What we have so far is open a webpage for you and we are still working on it to let it have more functions.

3. Usage

Input commands in the “Add Command” page, including command name (which is what you are going to say to the program), action (what you want the program going to do), parameters (optional, for future usage), and description. Once you have input a command to the database, you can call it by clicking on the speak button and speak out the command.

4. Development Logs

17 Feb 2015: Initialize website. Create a HTML5 web service using Google App Engine. The template is provided by html5up.net

17 Feb 2015: Update GAE

9 Mar 2015: Generating add command function. Some slight modification of GAE.

13 Mar 2015: Installing python code on web service.

14 Mar 2015: Creating database and making several tests of it.

15 Mar 2015: Creating database search method.

16 Mar 2015: Environmental modification.