# Angel Review

#### Did it get easier?

# **Problem** Design!?!?! Multiple Toppings on Question Pages? Logic Pages? Data Pages? Variables?

### Types Of Pages

Message Page

**Question Page** 

Data Page

Voicemail Page

Logic Page

Variables

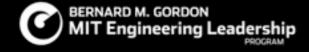


# Message Page

#### What does it do?

Reads text-to-speech prompts

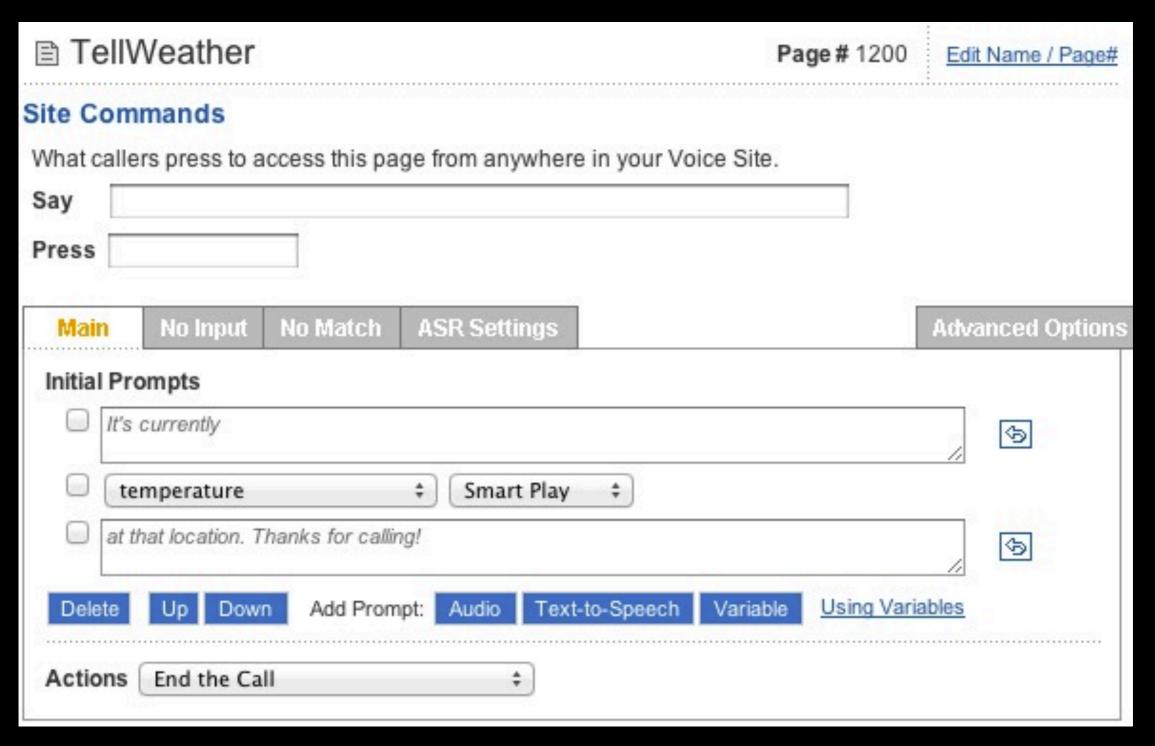
Can play stored variables

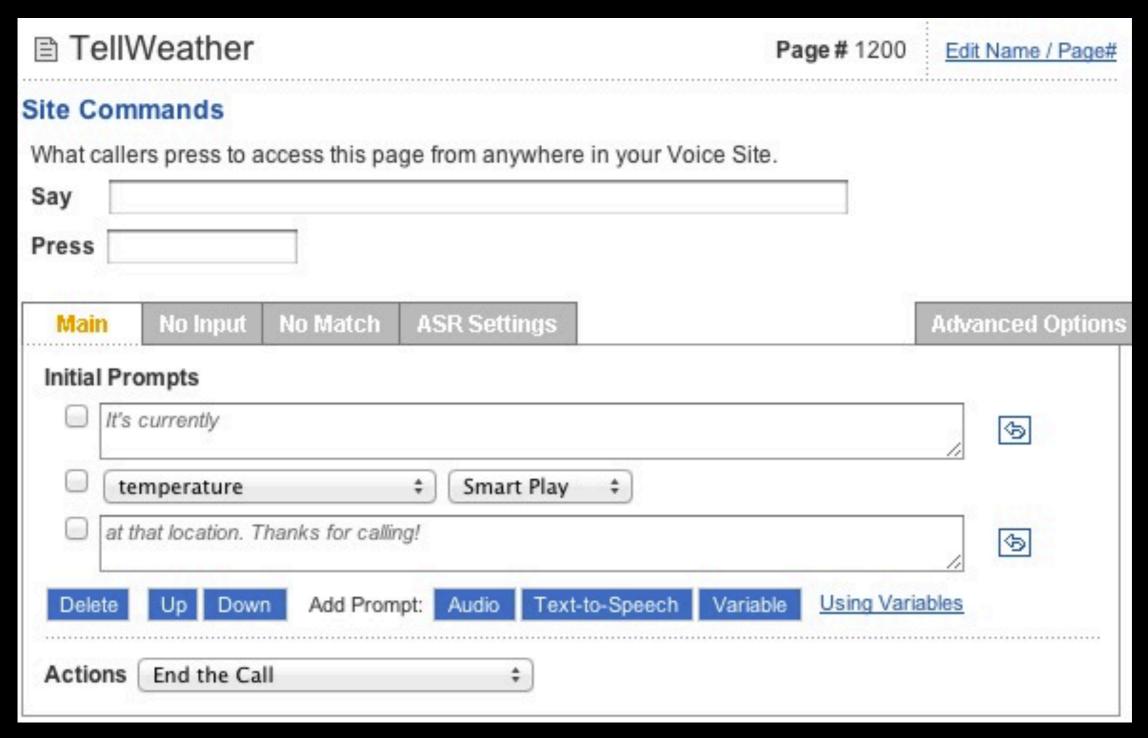


#### What does it do?

Relays a Message







#### What does it do?

Reads text-to-speech prompts

Can play stored variables

Can record users response to questions

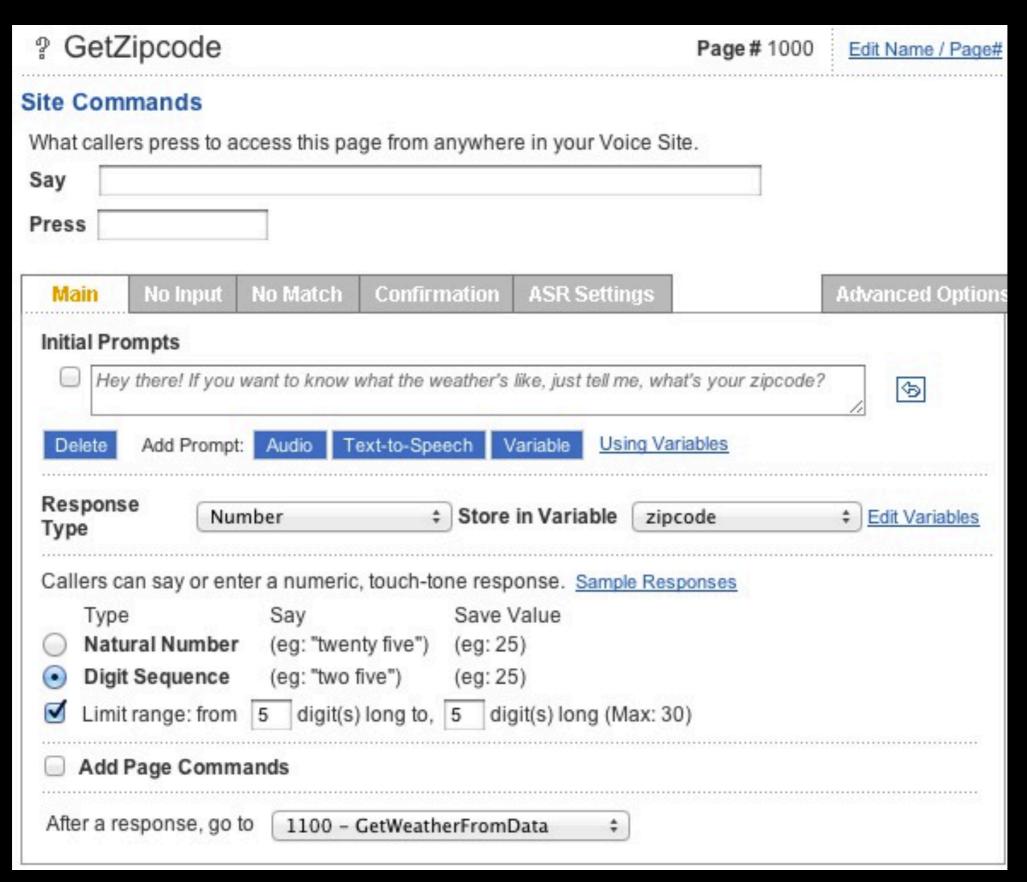
Stores users response to questions

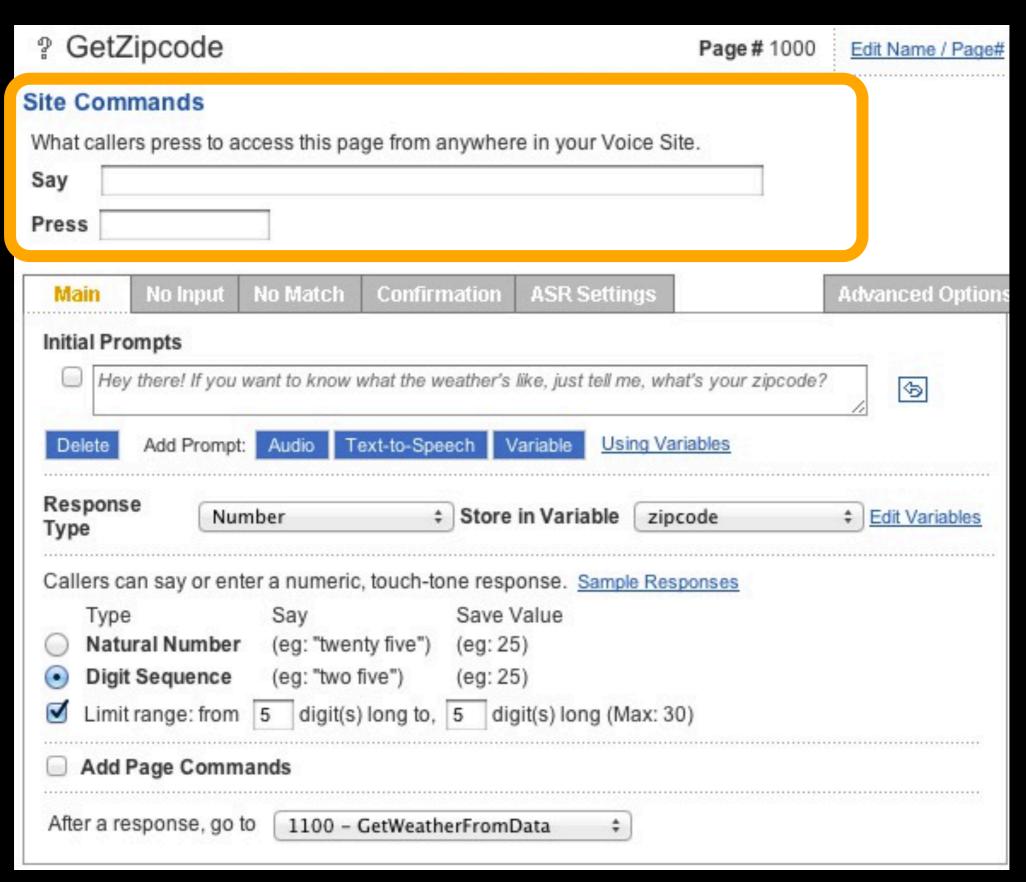


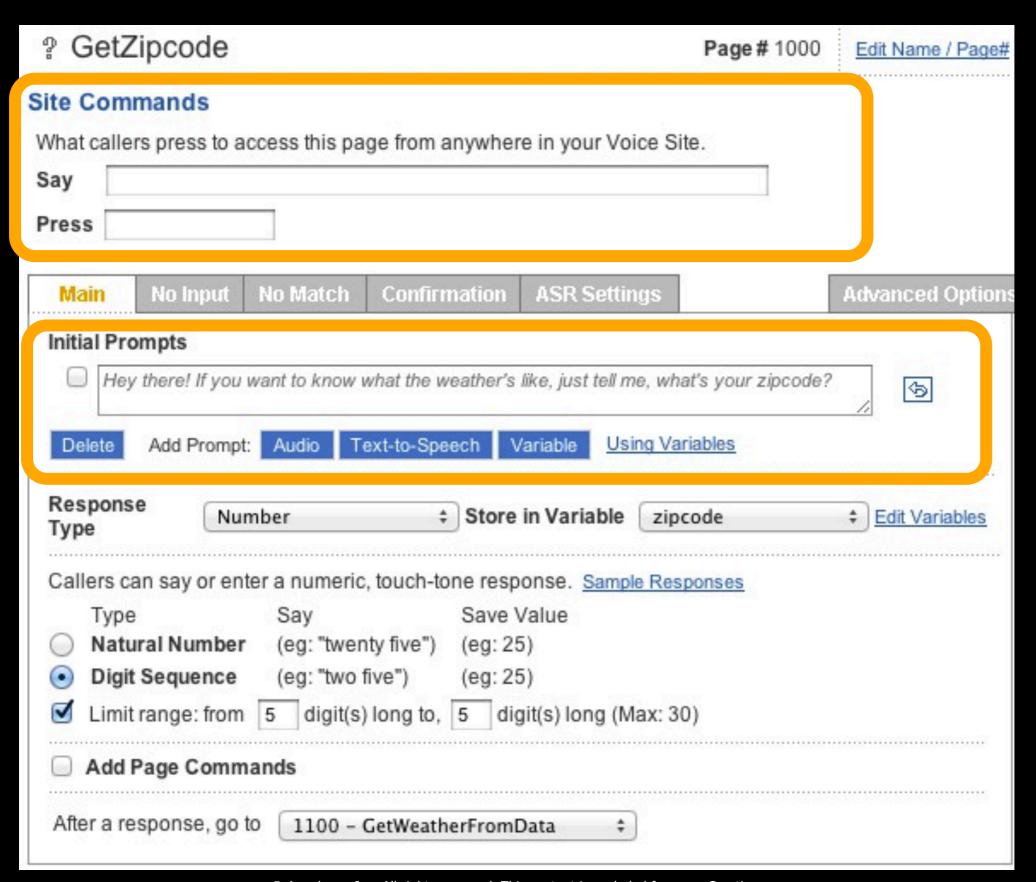
#### What does it do?

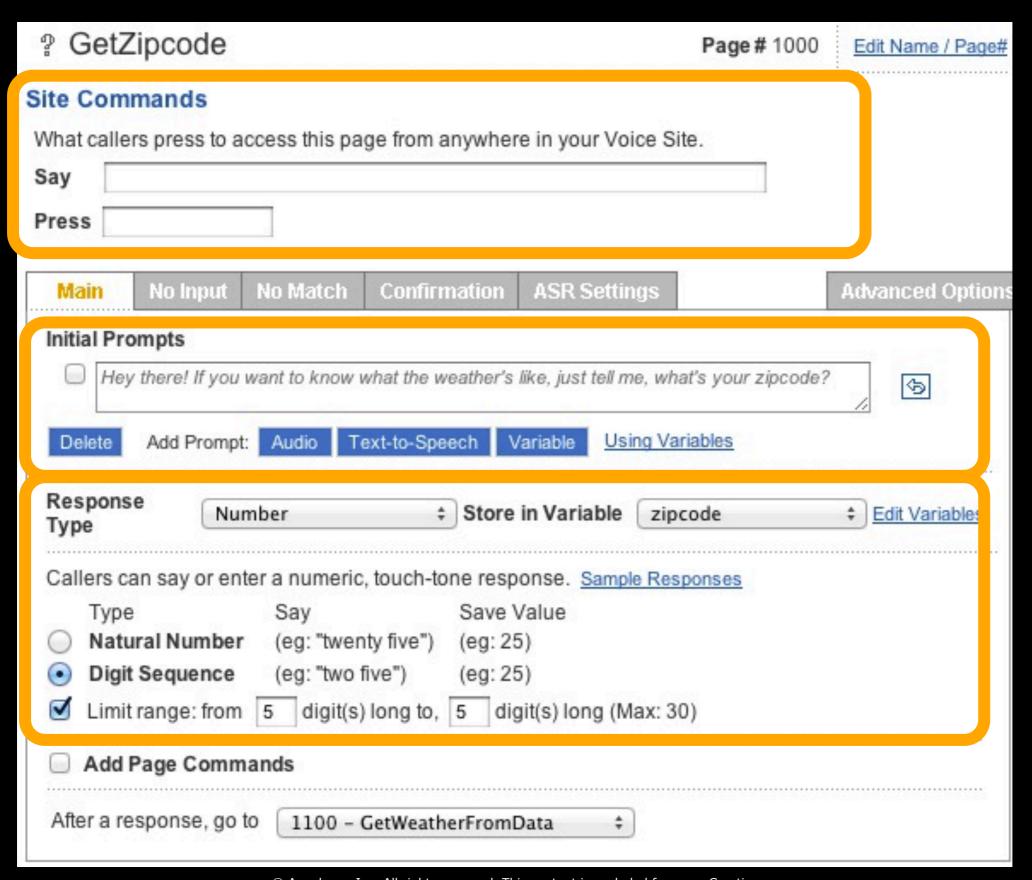
Asks a question, records a response as a variable

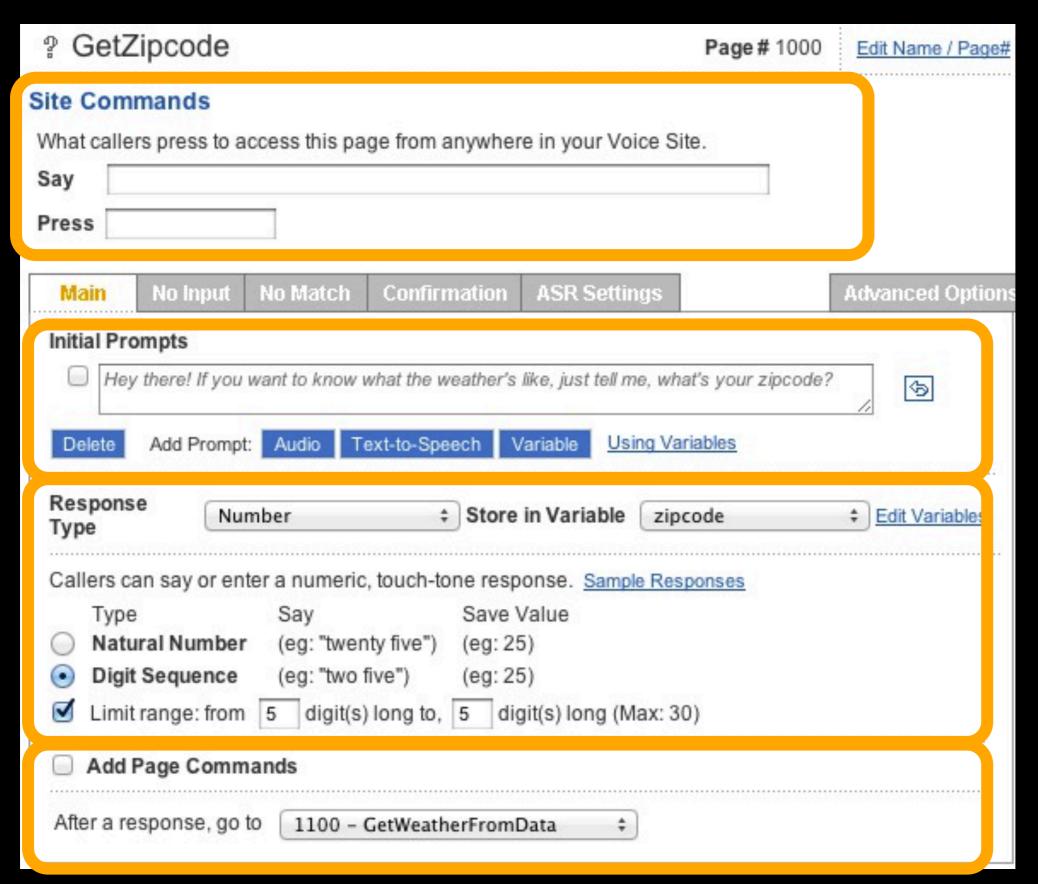










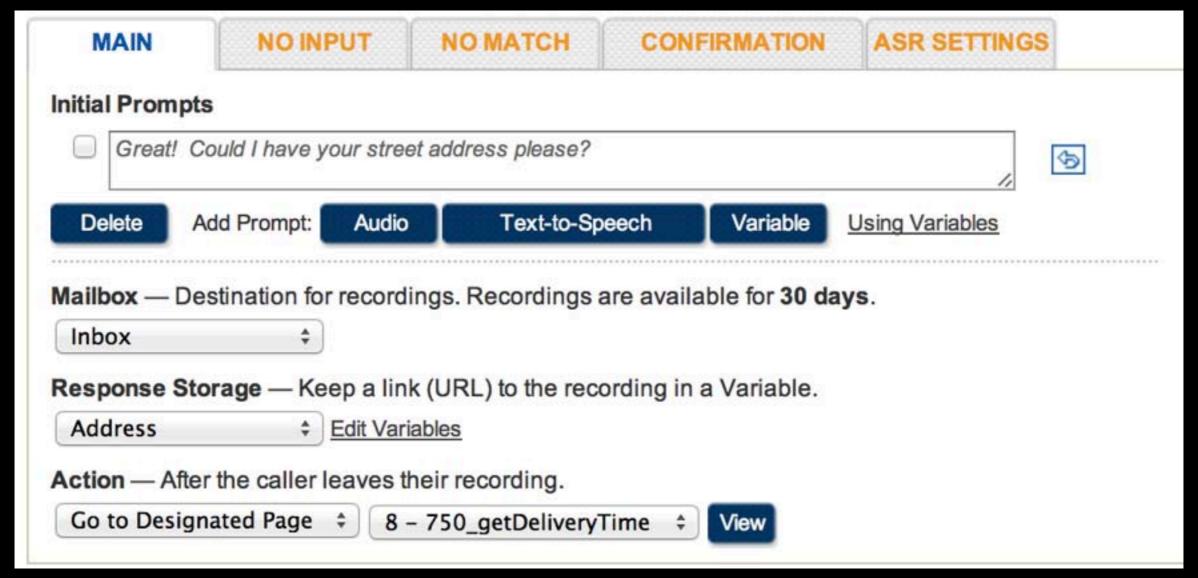


# Voicemail Page

#### What does it do?

Asks a question, records a response as an audio file







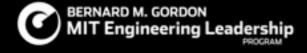
#### Variables

#### What do they do?

Store users responses

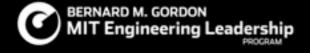
Allows responses to be used in the system

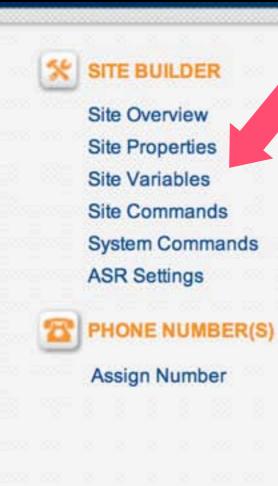
Can be manipulated



# What do they do?

Enable re-use

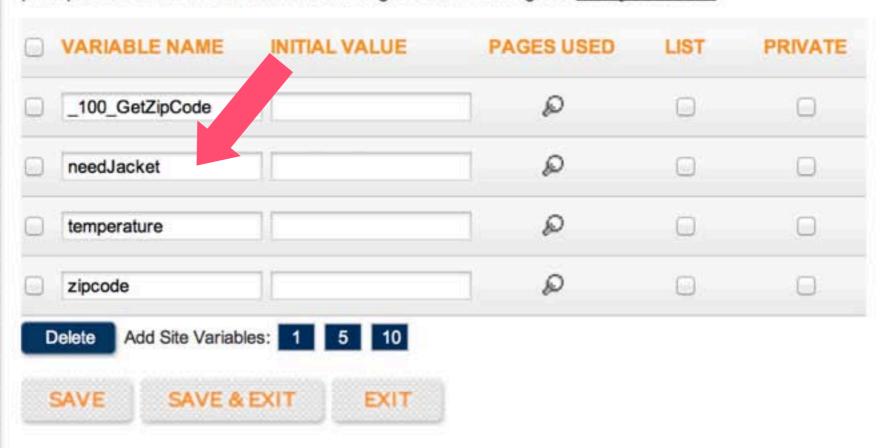




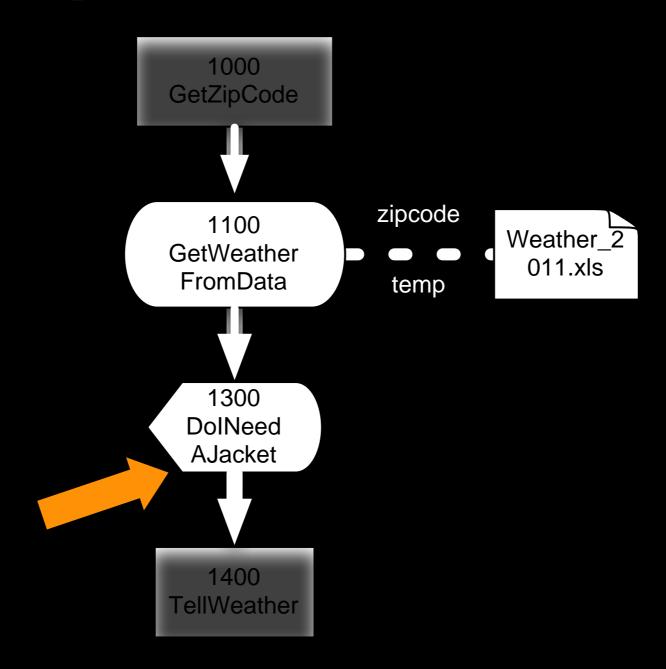
Site Builder > Voice Sites > Weather 3 > Site Variables

#### Site Variables

Variables are used to represent dynamic data in the system. Responses from Question Pages, Voicemail Pages and Lookup/Name/Address Capture Pages are stored into variables. Variables can be replayed in prompts and submitted in Transaction Pages and Data Pages. <u>Using Variables</u>



# Example: Weather 2



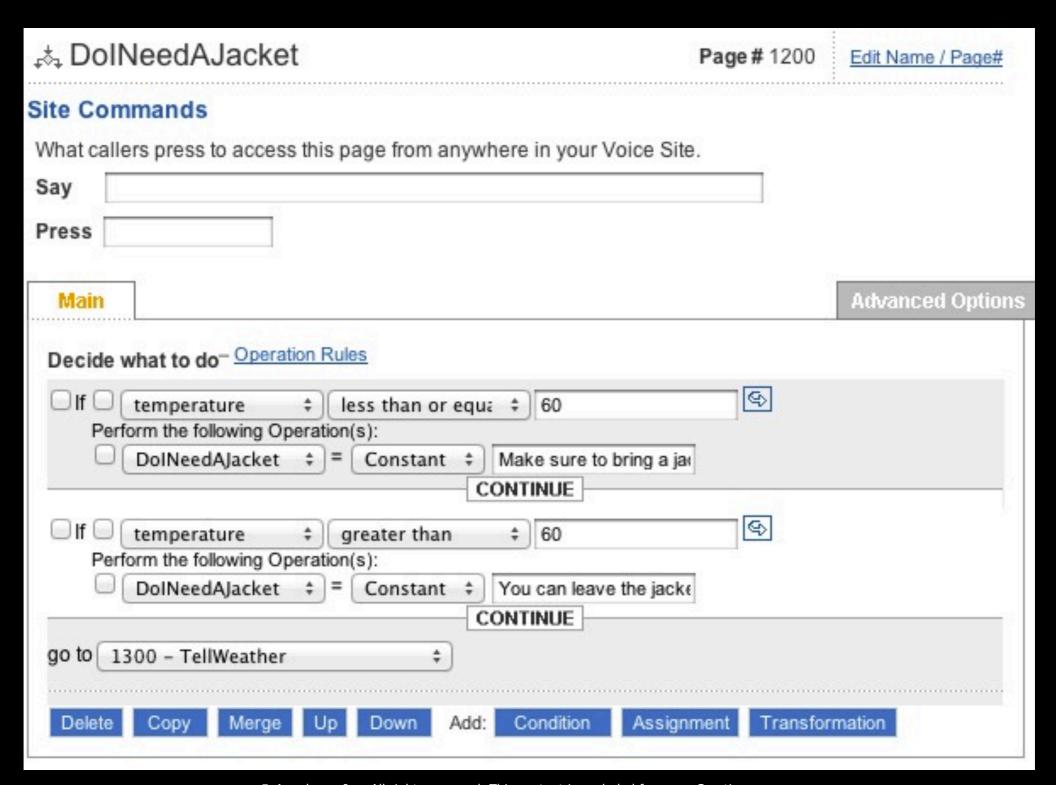
Condition And/Or/If statements:

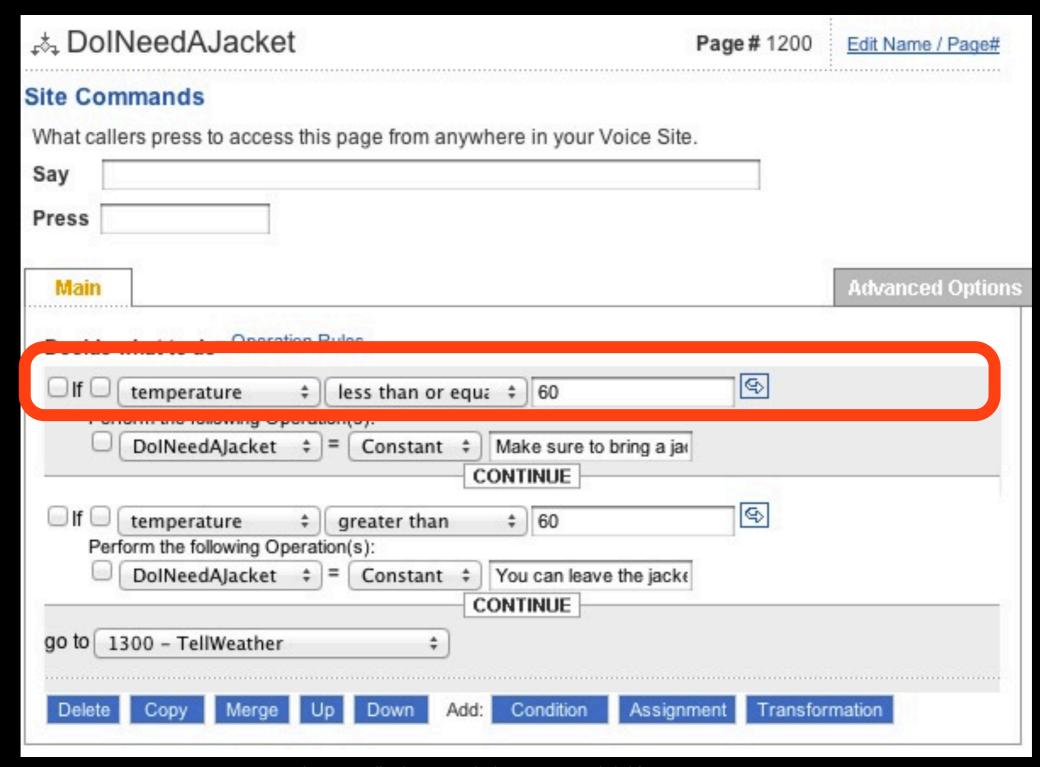
If temperature is <60 say "Bring a jacket"

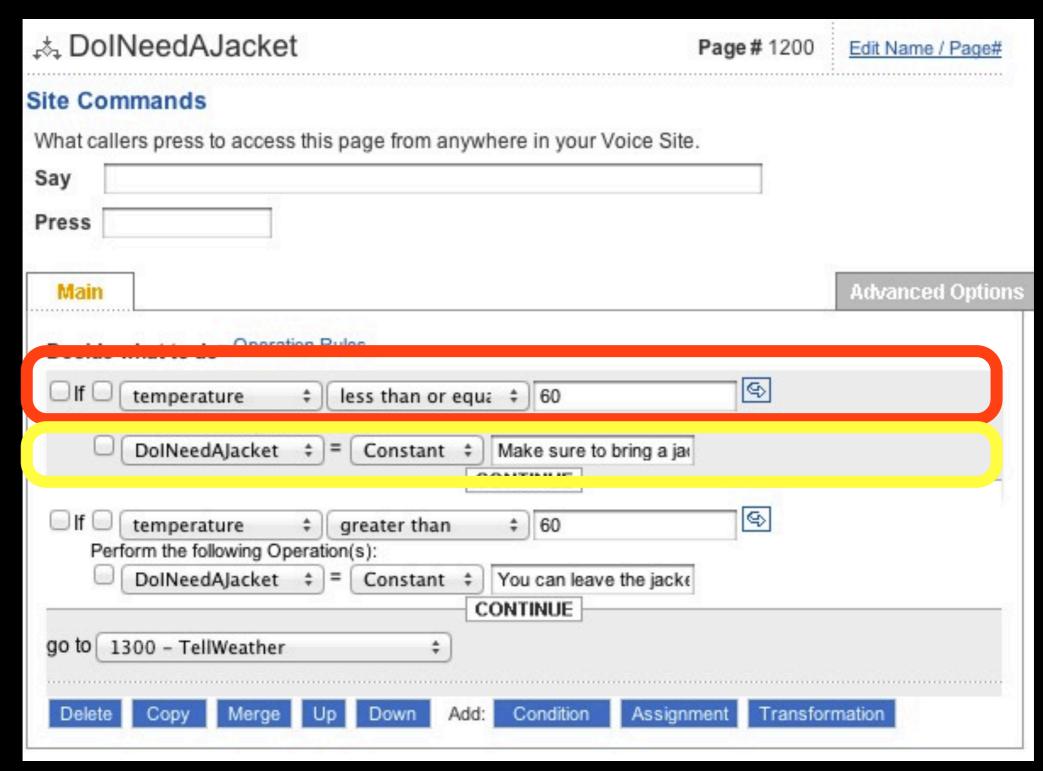
Condition And/Or/If statements:
 If temperature is <60 say "Bring a jacket"</li>

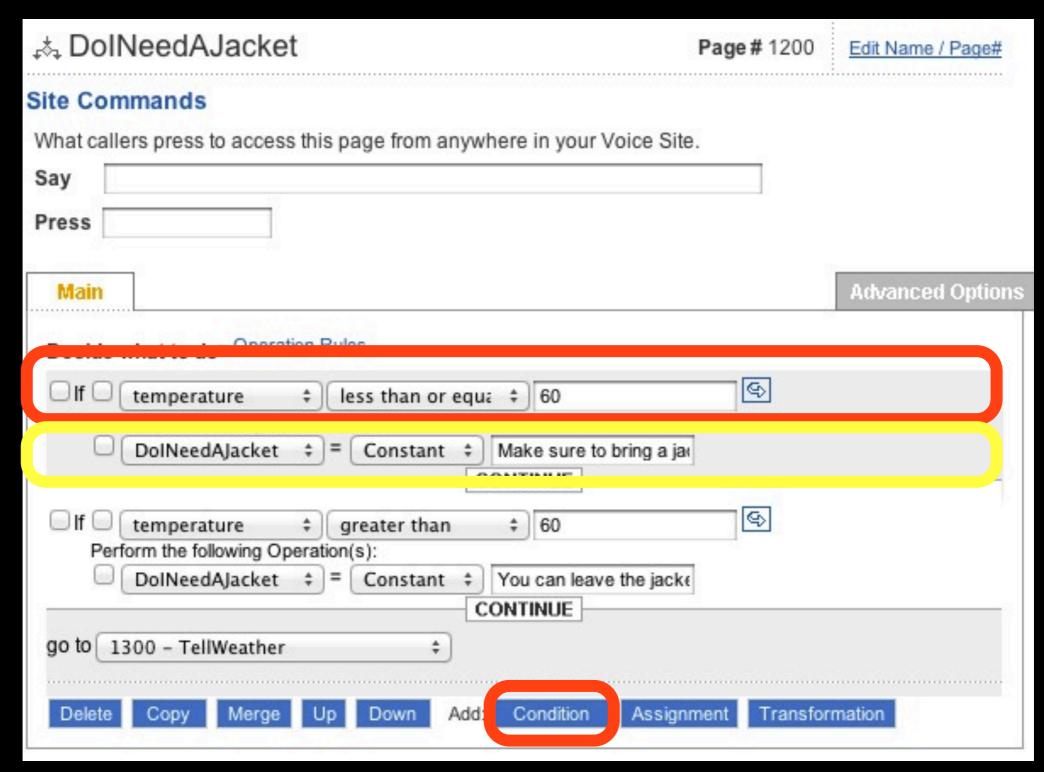
Assignment of new variable:
 temperature = a, play "The temperature is <a>"</a>

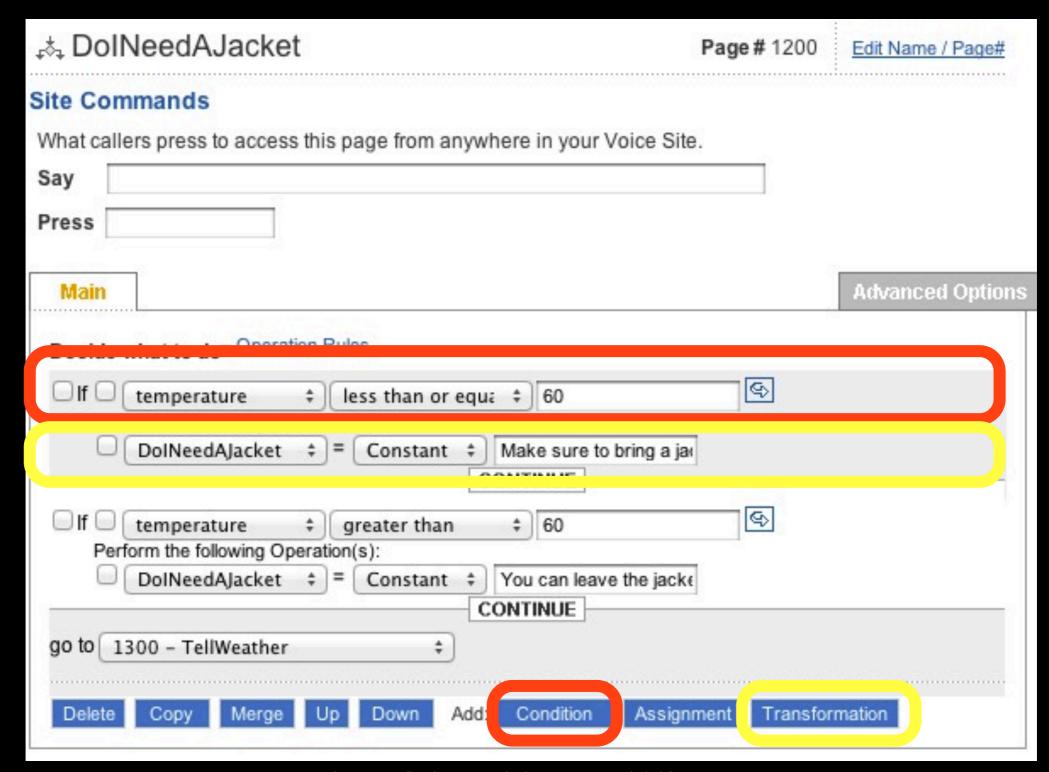
- Condition And/Or/If statements:
   If temperature is <60 say "Bring a jacket"</li>
- Assignment of new variable: temperature = a, play "The temperature is <a>"</a>
- Transformation change existing variable a = a+1

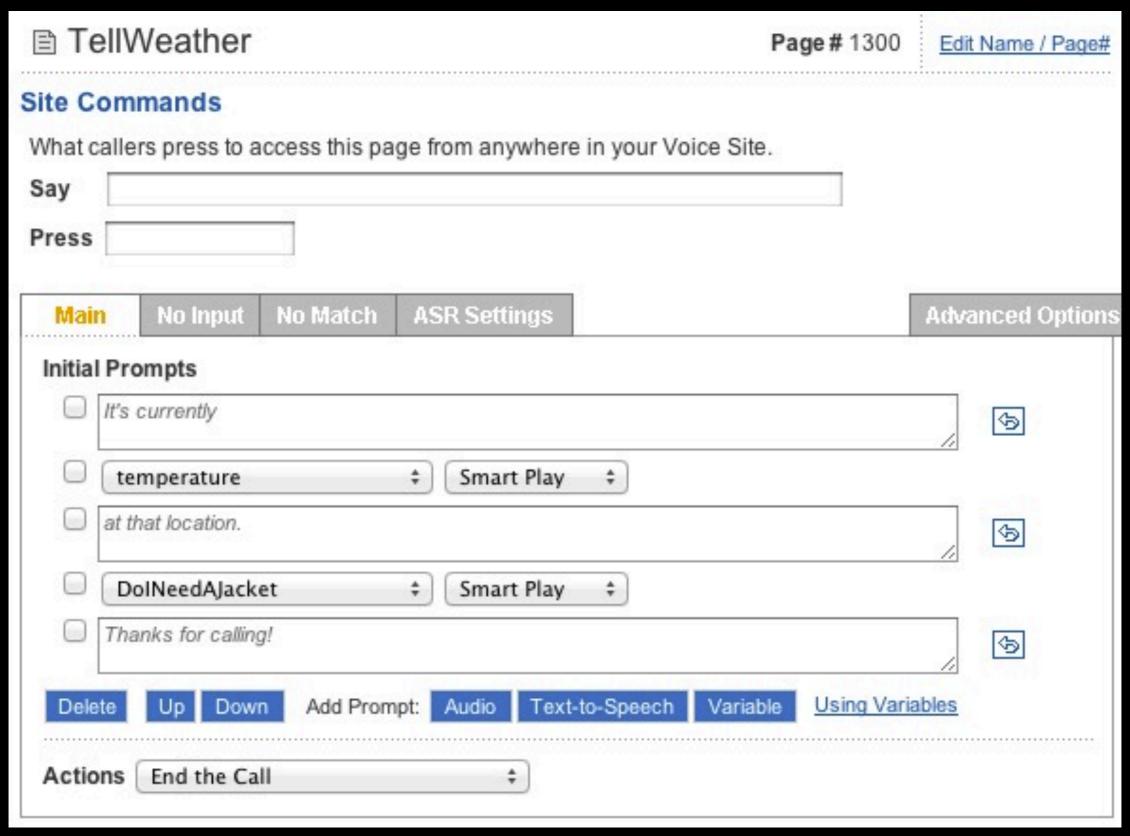


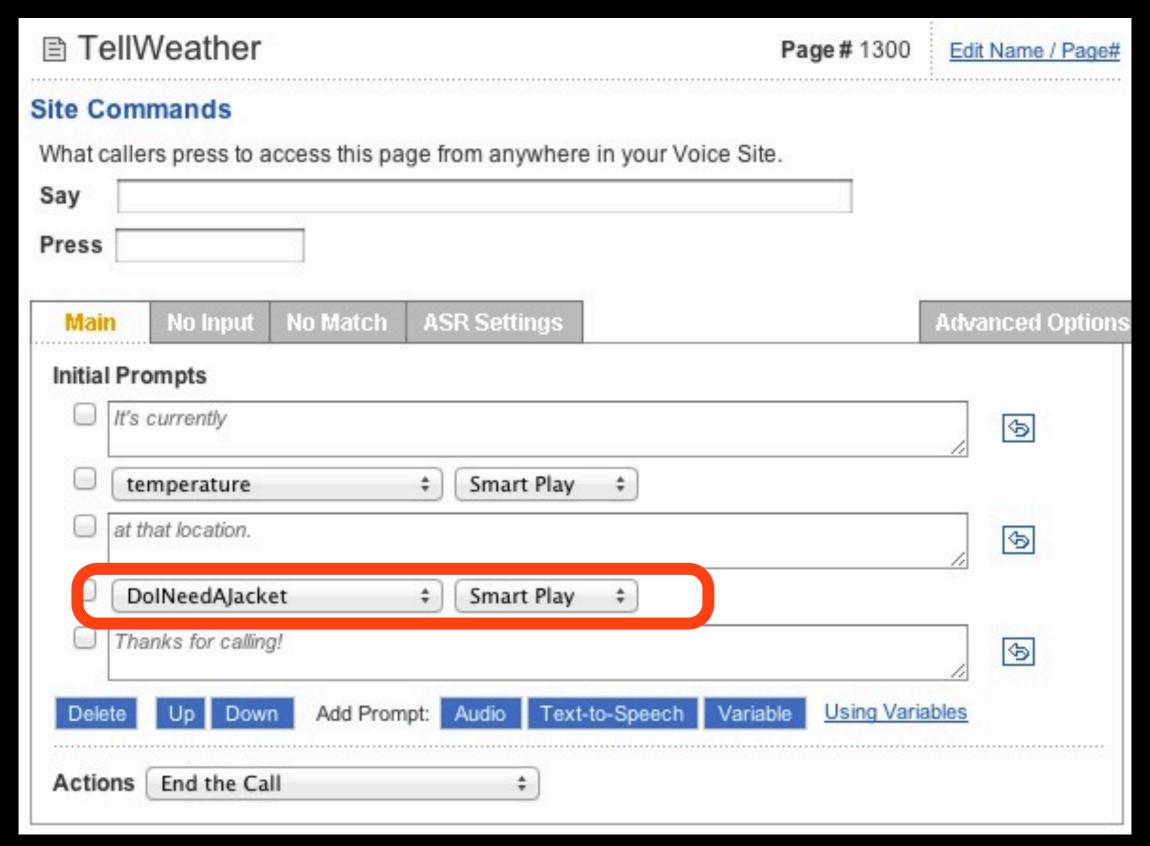










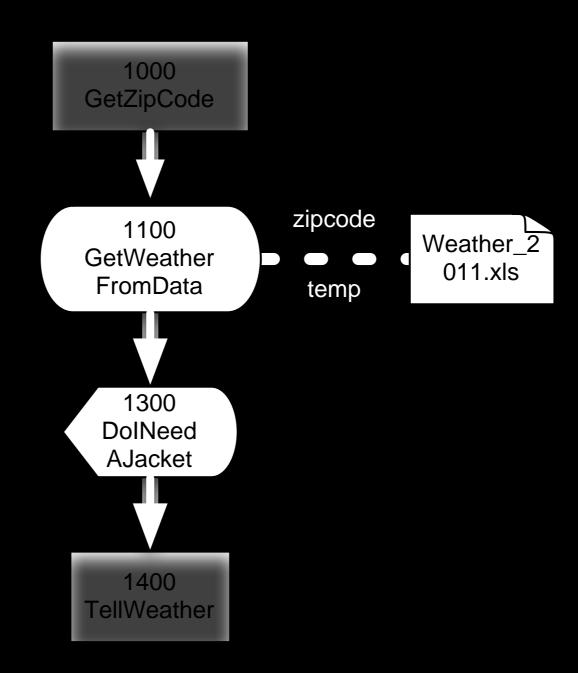


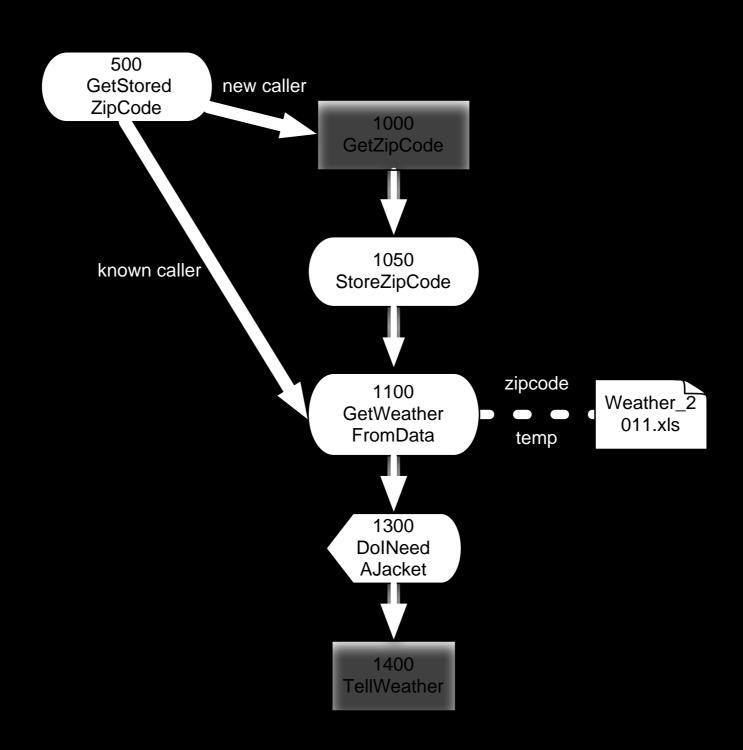
# Data Pages

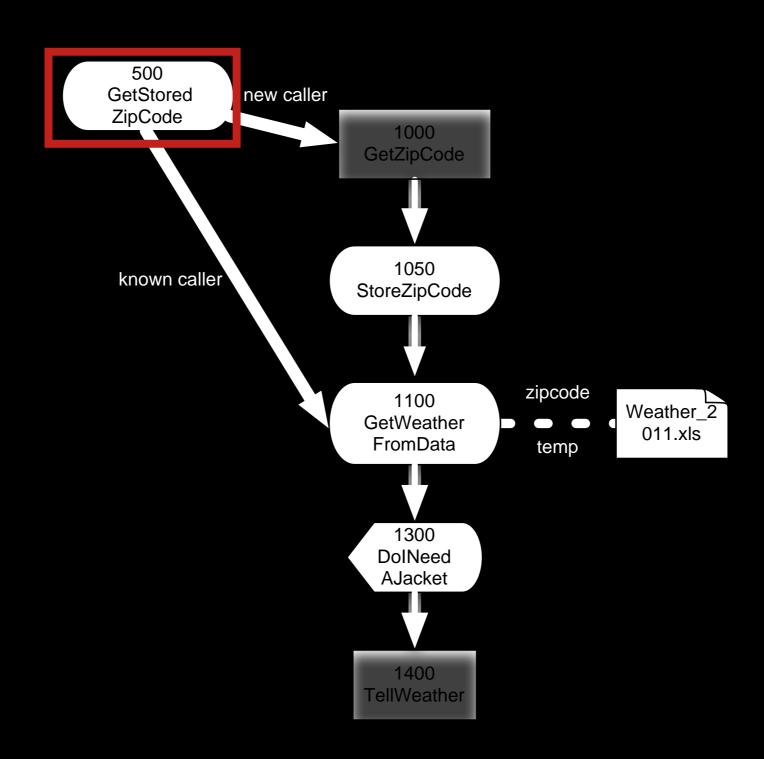
### Data Pages (advanced)

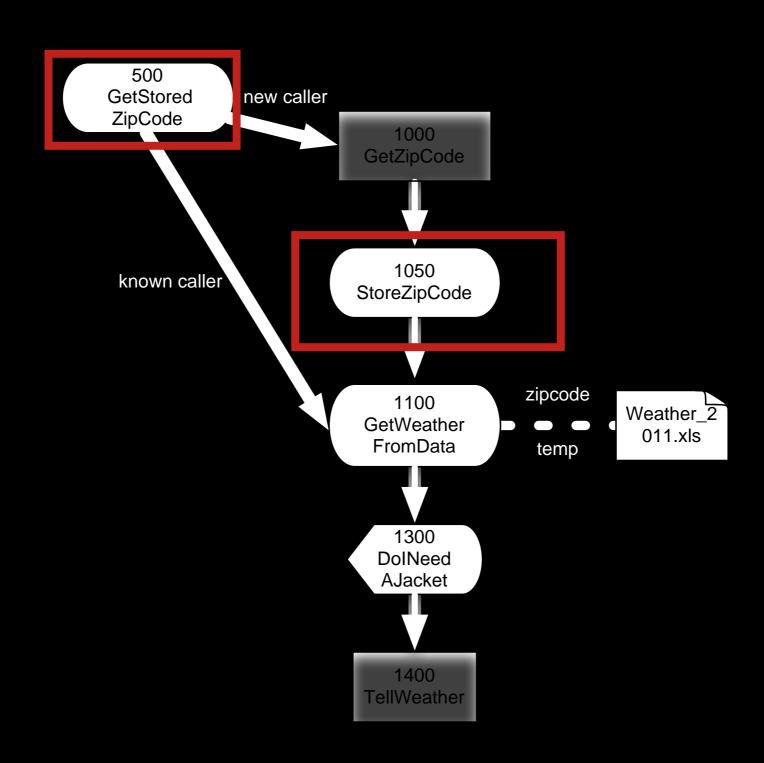
- Two Kinds of Data Pages
  - Put Data In (Coke/Pepsi)
  - Take Data Out
- We'll need both (2 separate data pages) to identify users

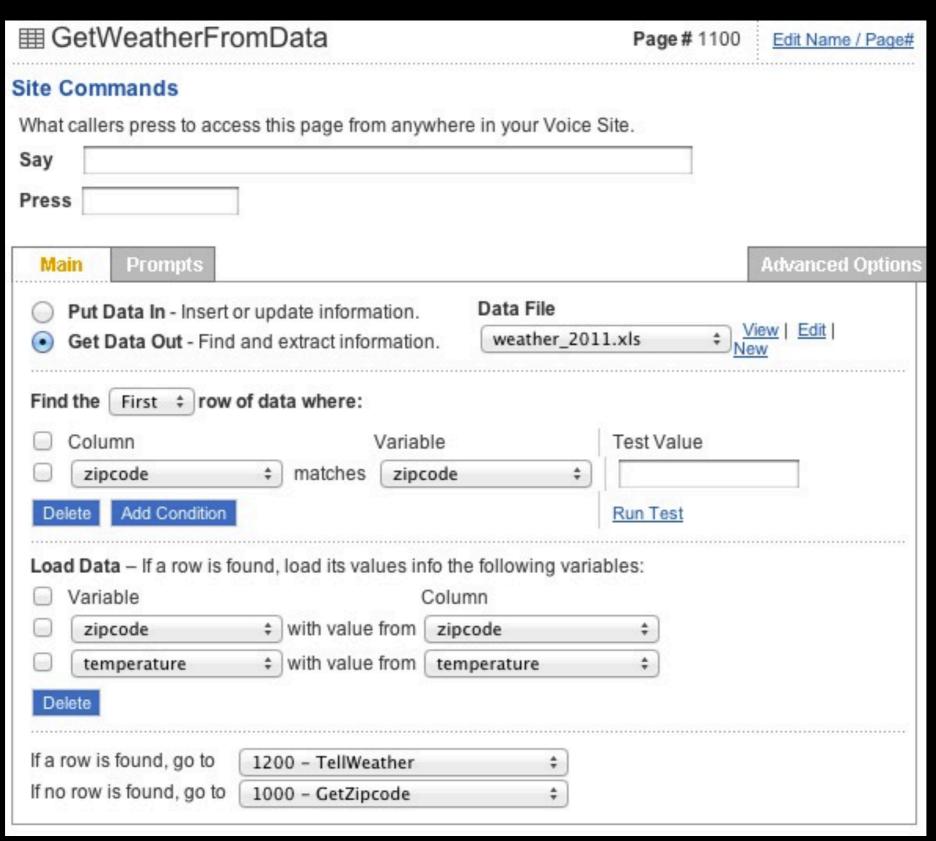
### Old Call flow

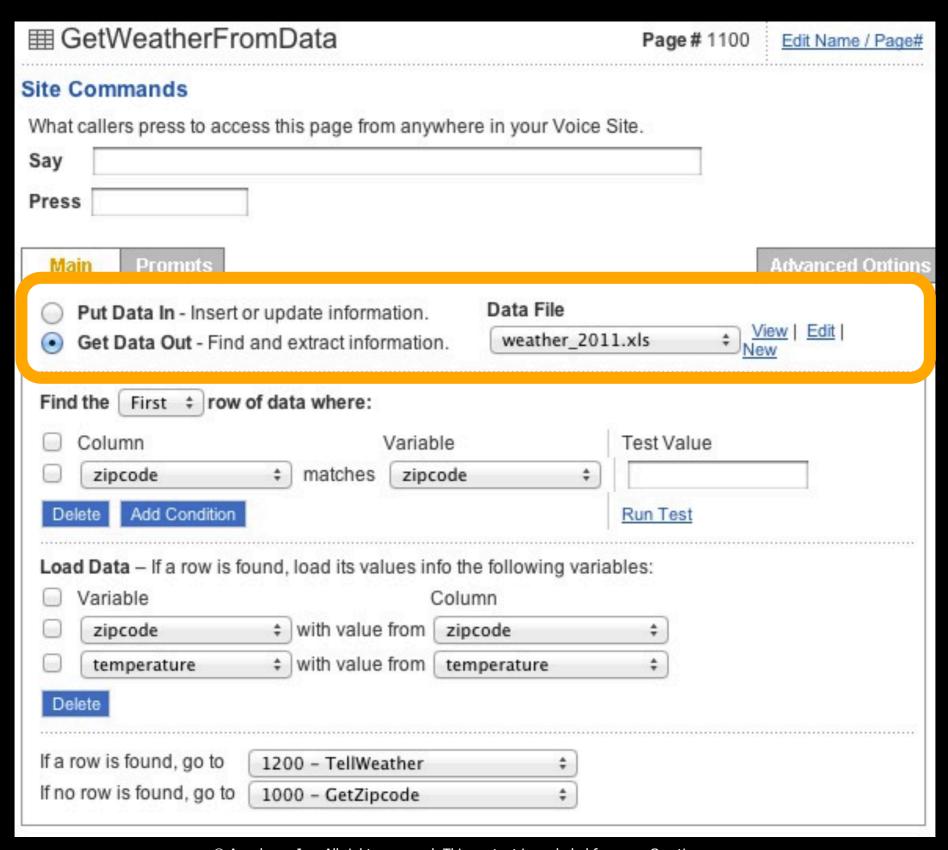


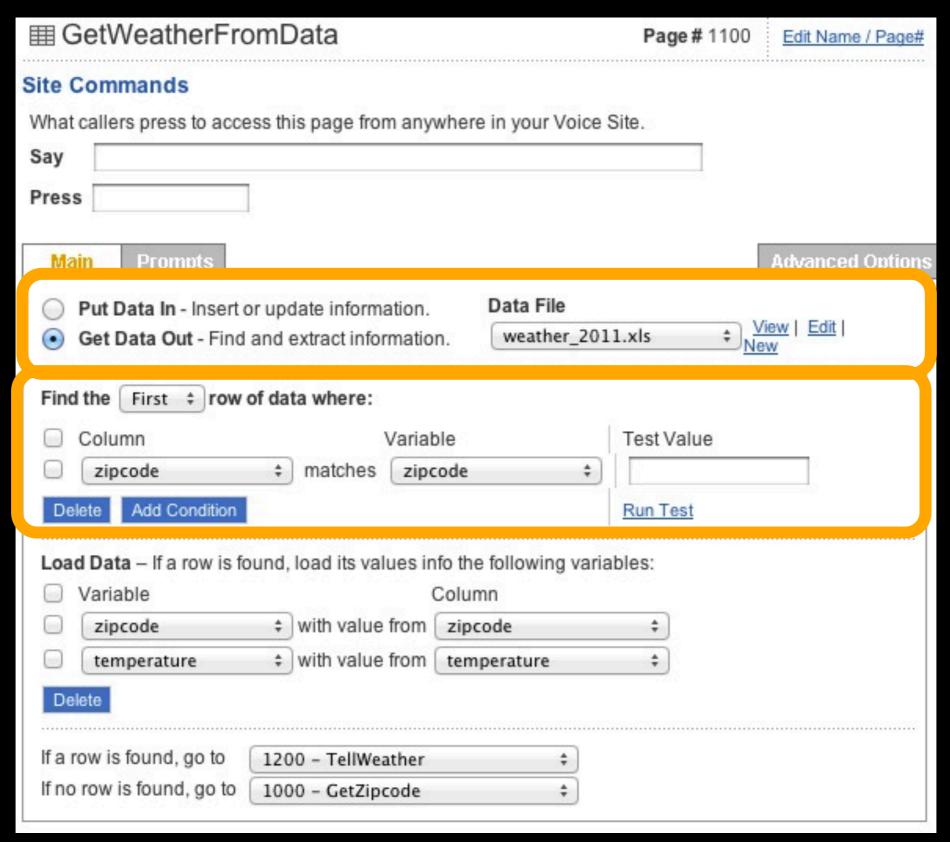


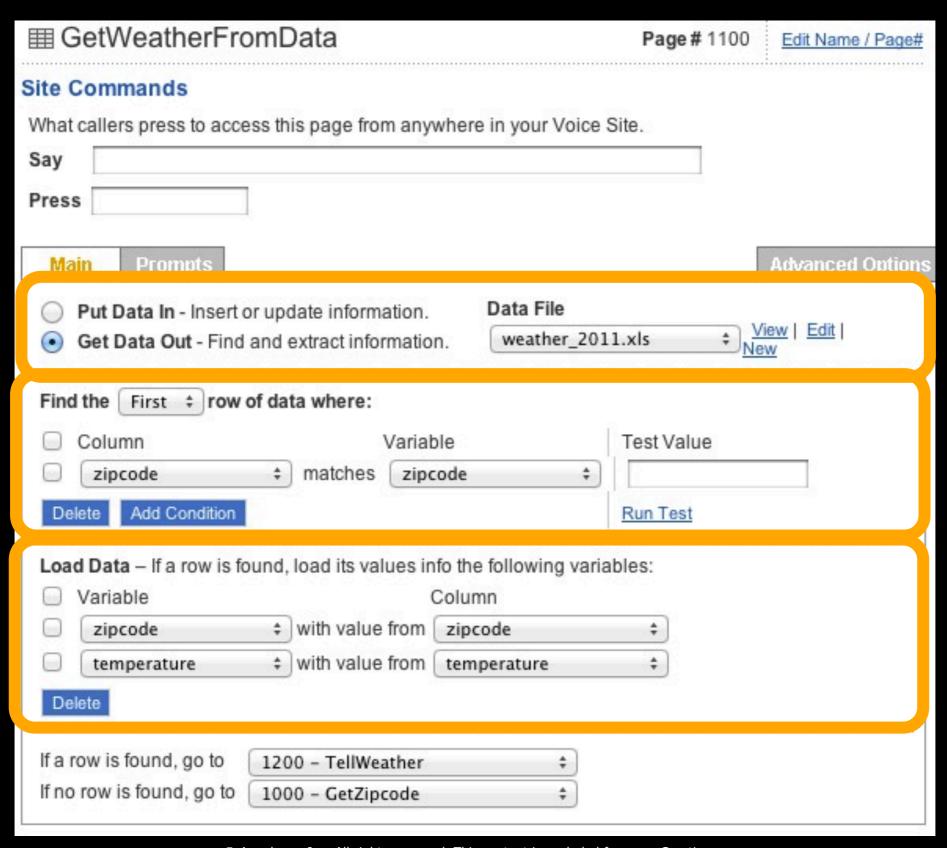


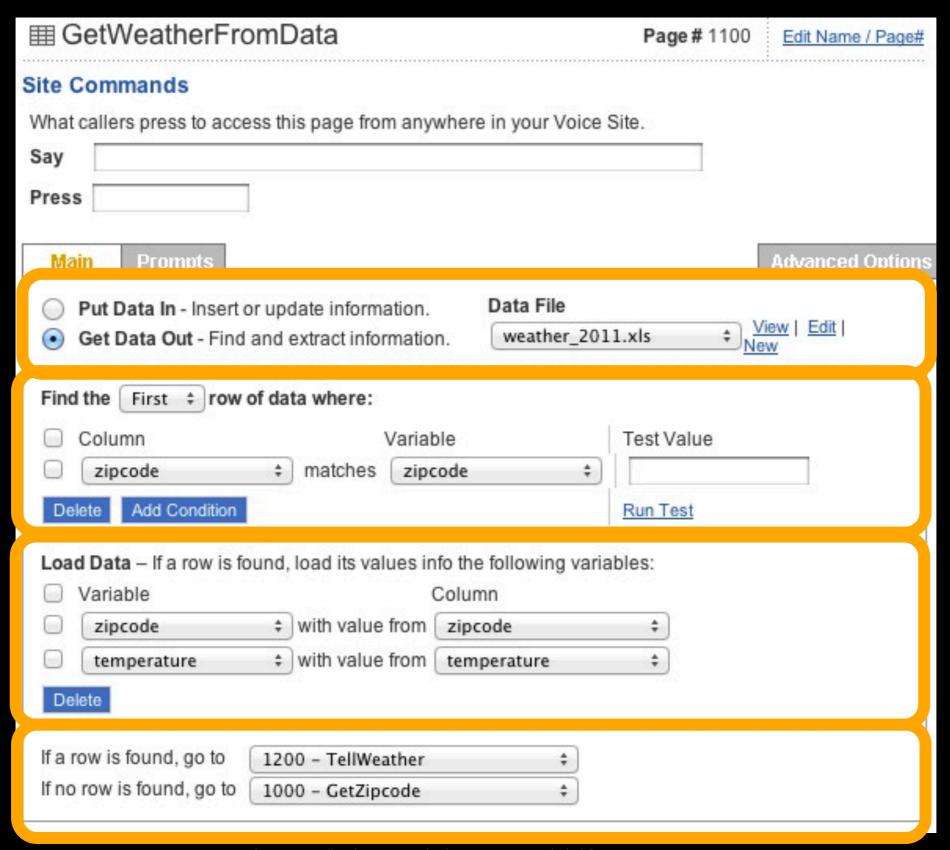




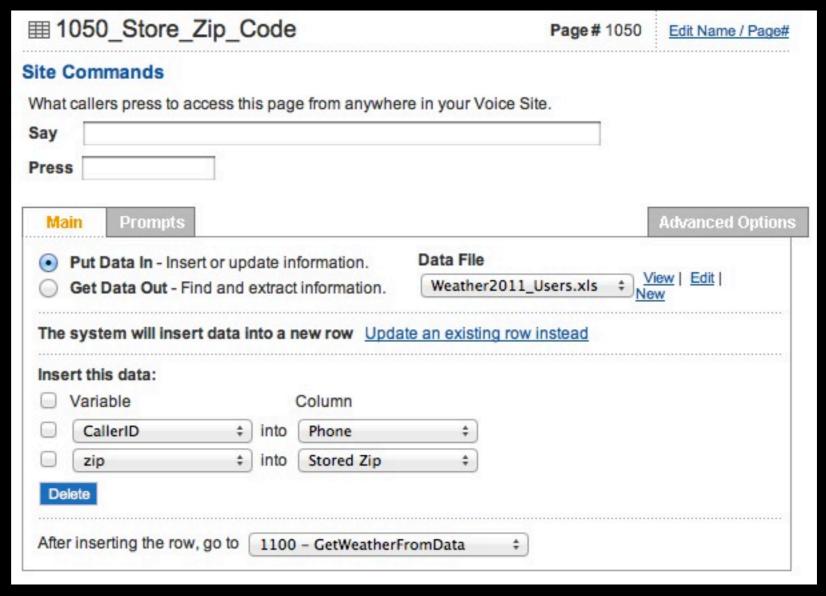








#### Store User Data

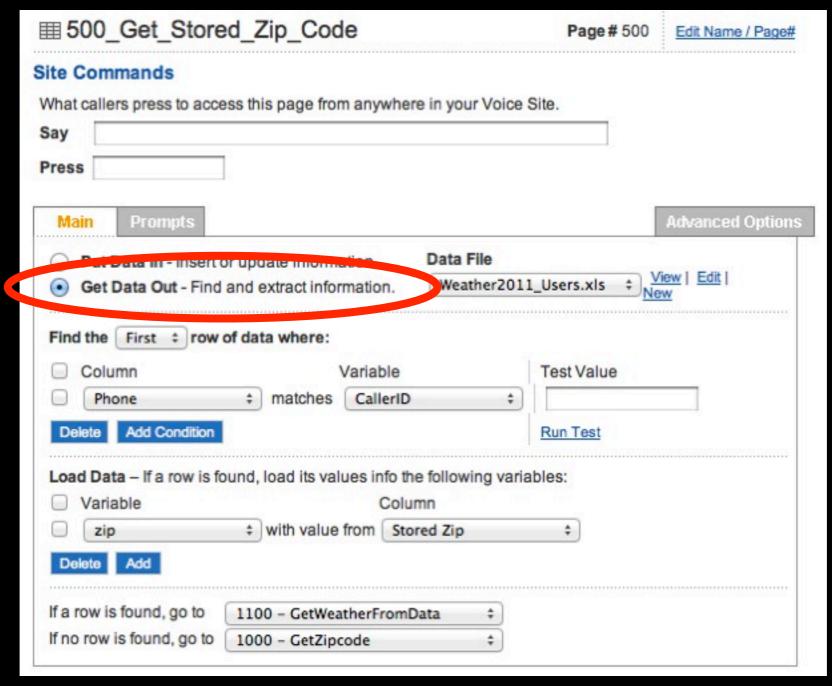


#### Store User Data

CallerID
Variable: Set
for you!



#### Get Stored User Data



# Angel

### Angel

- Angel's strong suits:
  - Speech recognition (arguably)
  - User experience construction
  - Fast development

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- Angel's strong suits:
  - Speech recognition (arguably)
  - User experience construction
  - Fast development
- Angel's weaknesses:
  - Communicating with the outside world

### Solutions

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Angel knows it's limitations

#### Solutions

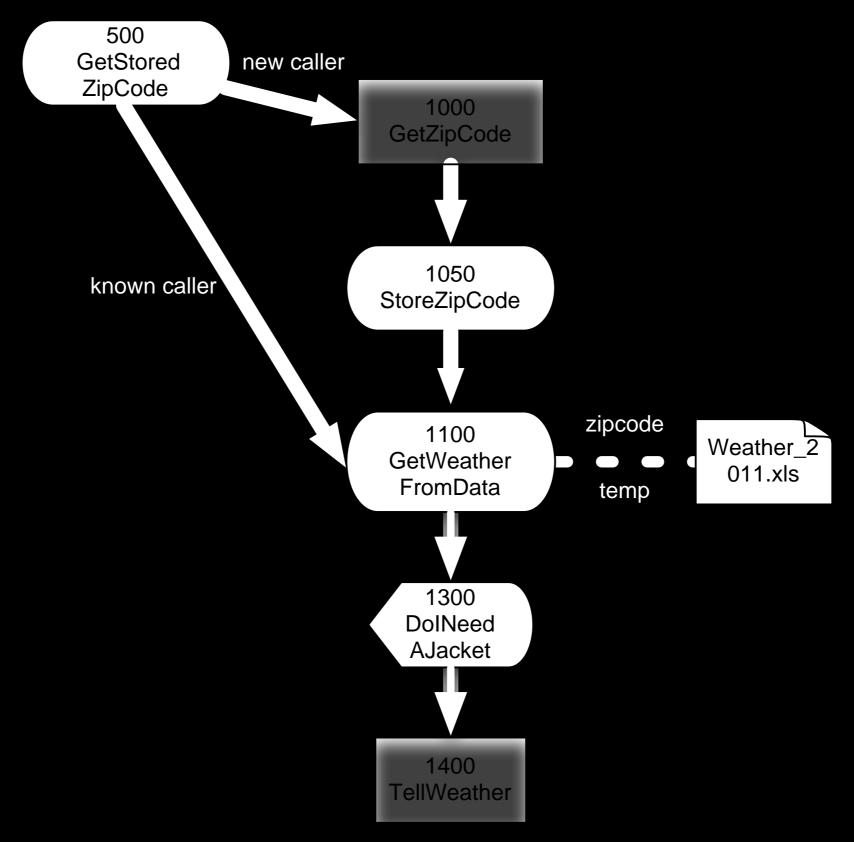
- Angel knows it's limitations
- Transaction pages allow for extended functionality
  - Communicate with websites
  - Communicate with devices
  - Store and retrieve tons of data
  - More complex logic
  - Other cool stuff

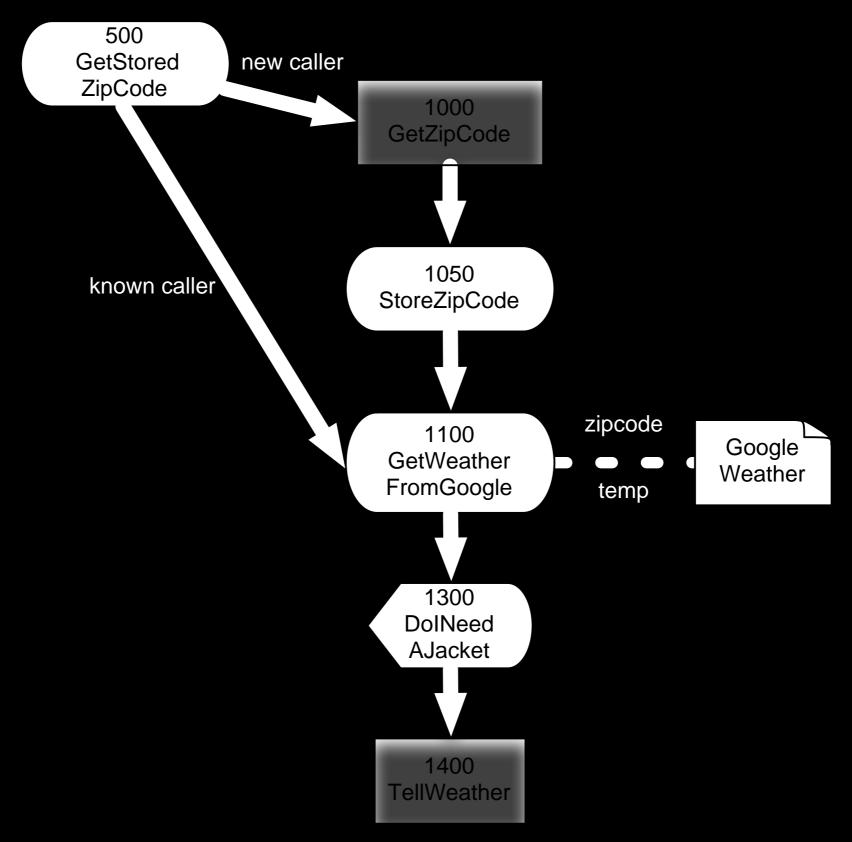
### Transaction Pages

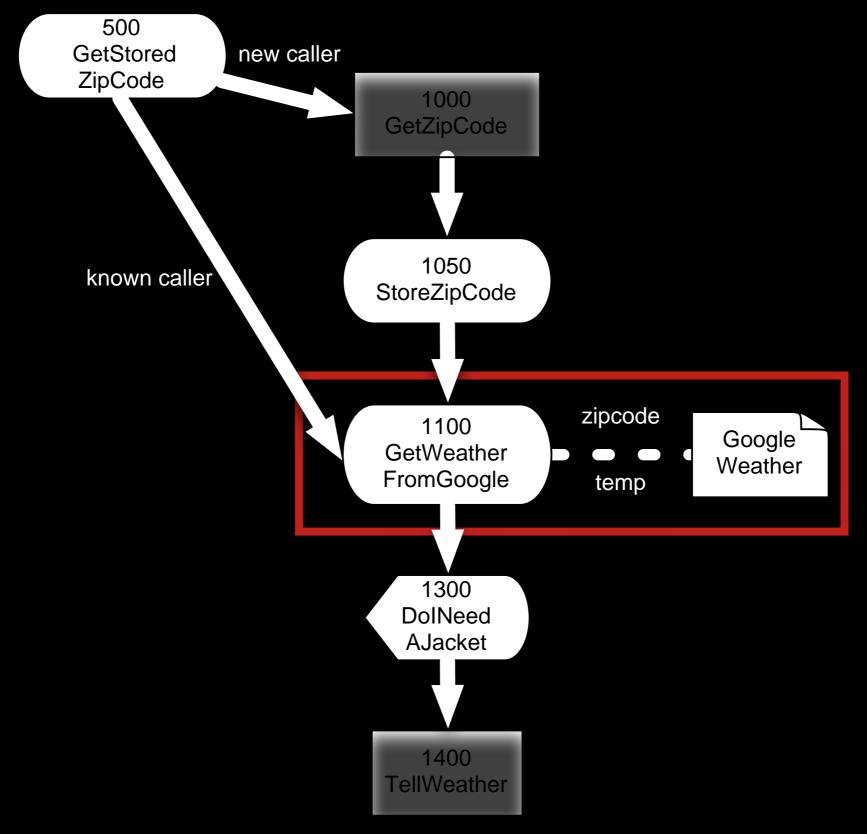
### Transaction Page

| at callers press to access this page   | from anywhere in your Vo     | oice Site.  |         |                 |
|--|------------------------------|-------------|---------|-----------------|
| у  |                              |             |         |                 |
| ess  |                              |             |         |                 |
|  |                              |             | 200     |                 |
| ansaction Prompts ASR Set  | tings                        |             | P       | Advanced Option |
| ommunication can be made secure  | by specifying a "https://" L | JRL.        |         |                 |
| rivate variables values will be show   |                              |             |         |                 |
| RL http://adaml.scripts.mit.edu/weath  | her/api.php                  | OPOST       | ● GE    | T               |
| arameters  |                              |             |         |                 |
|  |                              |             |         |                 |
|  | Parameter Value ?            |             | Test Va | alue ?          |
| Type Parameter Name 2  X zip   | Parameter Value ?            | <b>*</b>    | Test Va | alue ?          |
| Type Parameter Name ? X zip  |                              | <b>‡</b> )  |         |                 |
| Type Parameter Name ?  X zip  Delete Add Parameter: Variable   | Constant                     | <b>‡</b> )  | 02142   |                 |
| Type Parameter Name ?  X zip  Delete Add Parameter: Variable re-Built Applications: Send Survey Res                                    | zip<br>Constant<br>sponses   | *)          | 02142   |                 |
| Type Parameter Name   X zip  Delete Add Parameter: Variable  re-Built Applications: Send Survey Res                                    | zip<br>Constant<br>sponses   | *)          | 02142   |                 |
| Type Parameter Name ?  X zip  Delete Add Parameter: Variable re-Built Applications: Send Survey Res Submit all Variables defined in an | zip<br>Constant<br>sponses   | <b>\$</b> ) | 02142   |                 |
| Type Parameter Name ?  X zip  Delete Add Parameter: Variable re-Built Applications: Send Survey Res                                    | zip<br>Constant<br>sponses   | *)          | 02142   |                 |

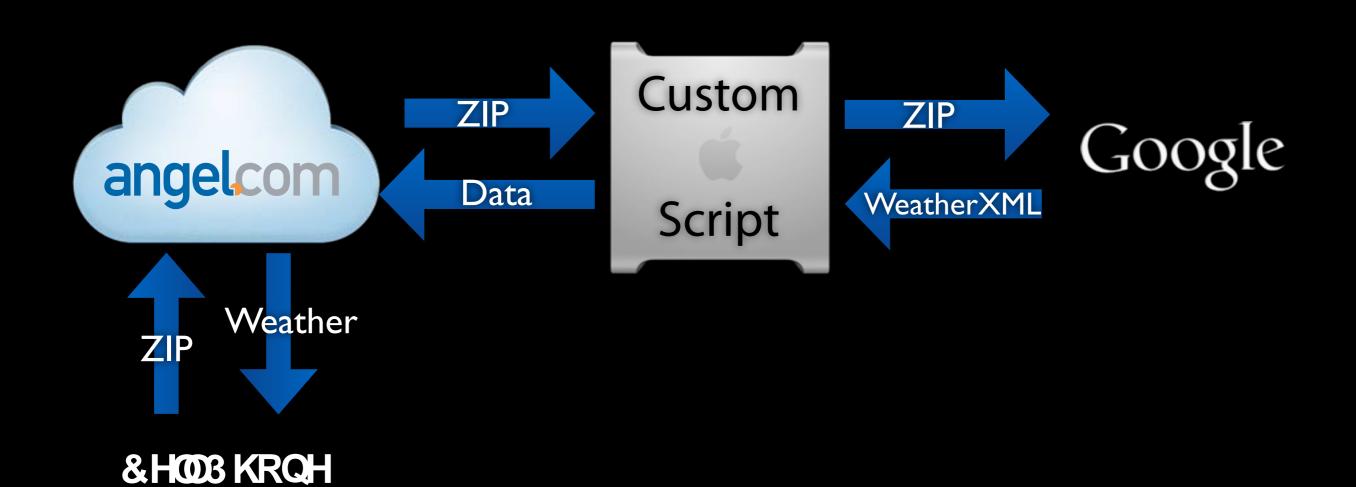
#### Old Call flow







#### How it works



HTTP Request to a specific URL

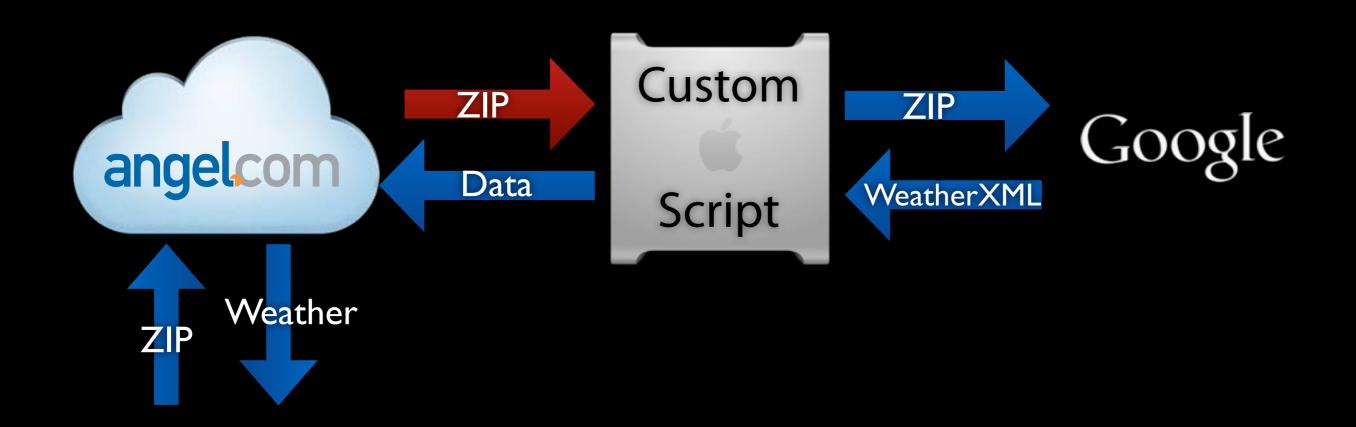
- HTTP Request to a specific URL
- Variable and constants sent as parameters

- HTTP Request to a specific URL
- Variable and constants sent as parameters
- Acceptable response types:
  - Text-To-Speach
  - Audio file
    - Internal (relative)
    - External (Absolute)
  - Link to Voice Page
  - Phone Number
  - AngelXML

# Running the Code

• PHP, Python, Perl, etc....

#### How it works



Cell Phone

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