

Todd and Gina's Dog Door, version 2.0 Requirements List

1. The dog door opening must be at least 12" tall.
2. A button on the remote control opens the dog door if the door is closed, and closes the dog door if the door is open.
3. Once the dog door has opened, it should close automatically if the door isn't already closed.

Here's our list of requirements that we got from Todd and Gina...

...and here's what we know the dog door needs to do.

Todd and Gina's Dog Door, version 2.0 What the Door Does

1. Fido barks to be let out.
2. Todd or Gina hears Fido barking.
3. Todd or Gina presses the button on the remote control.
4. The dog door opens.
5. Fido goes outside.
6. Fido does his business.
 - 6.1 The door shuts automatically.
 - 6.2 Fido barks to be let back inside.
 - 6.3 Todd or Gina hears Fido barking (again).
 - 6.4 Todd or Gina presses the button on the remote control.
 - 6.5 The dog door opens (again).
7. Fido goes back inside.
8. The door shuts automatically.

Is anything missing?

Now you need to look over the use case and see if everything the system needs to do is covered by the requirements.