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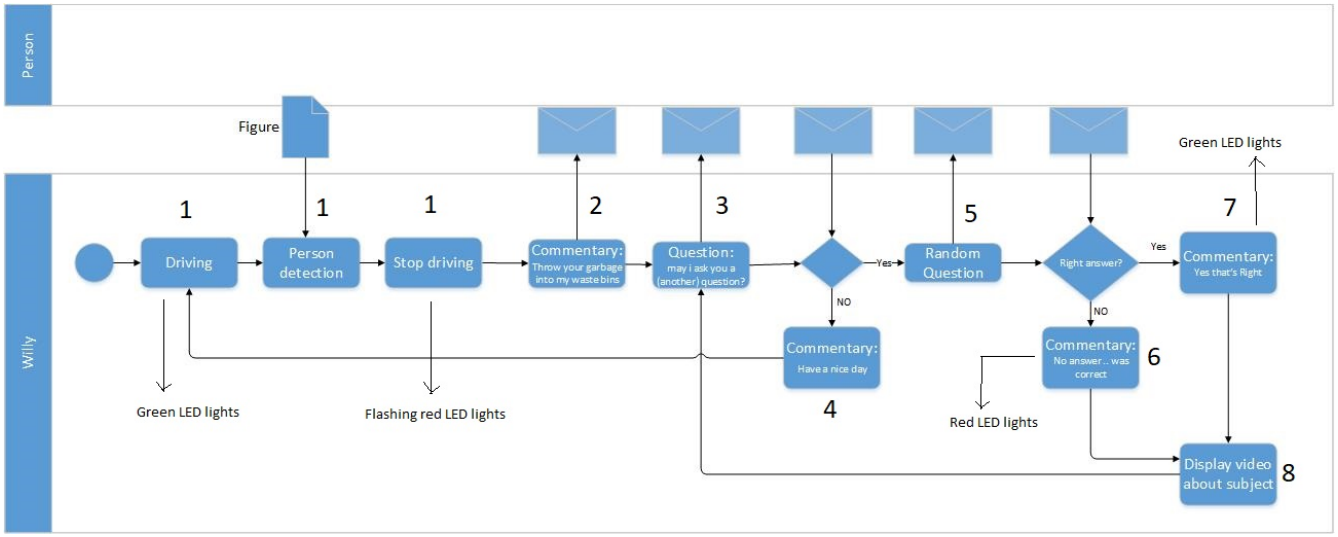
1. Interaction

1.1. Flow Chart



1.2. Screen Designs

1.2.1. English

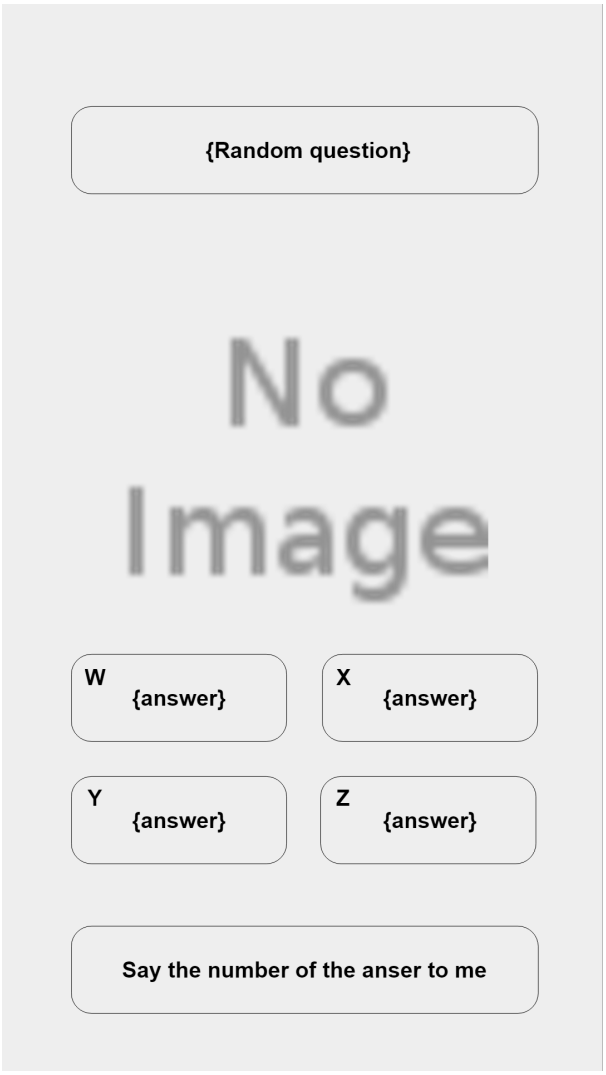
1. This is the screen shown when Willy is driving around, and there is not yet a person to interact with.

2. This screen is shown when a person is starting to interact with Willy. At the bottom there are two arroys pointing to the garbage bins.

3. After that Willy asks permission to ask a question to the person in front of Willy.

4. When the person says 'no', then this screen is shown, after wich the robot continues driving.

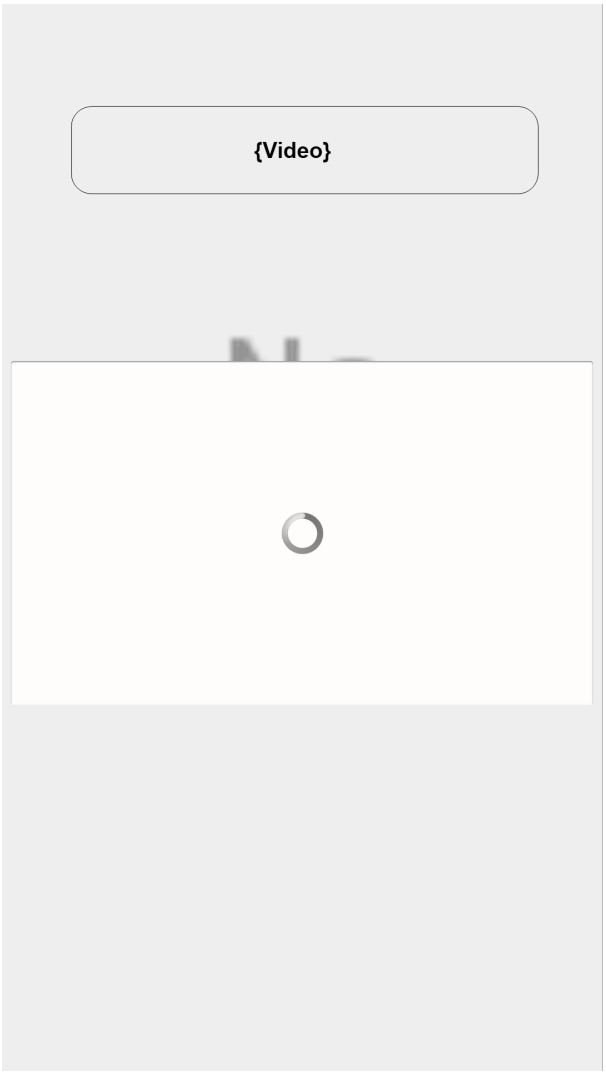
5. When the person says 'yes', a random question is shown with a number of multiple choise answers.



6. When the given answer is wrong, this screen is shown.

7. When the given answer is right, this screen is shown.

8. After the question, Willy starts to play an informative video about garbage.



1.2.2. Dutch

For comments at each image, see the English version above.

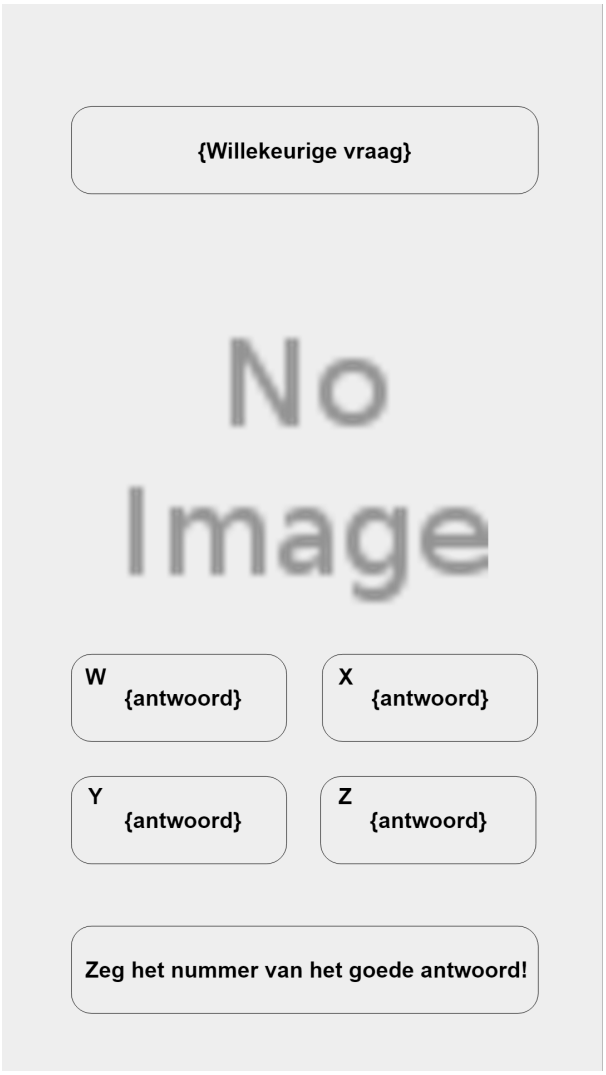
1.

2.

3.

4.

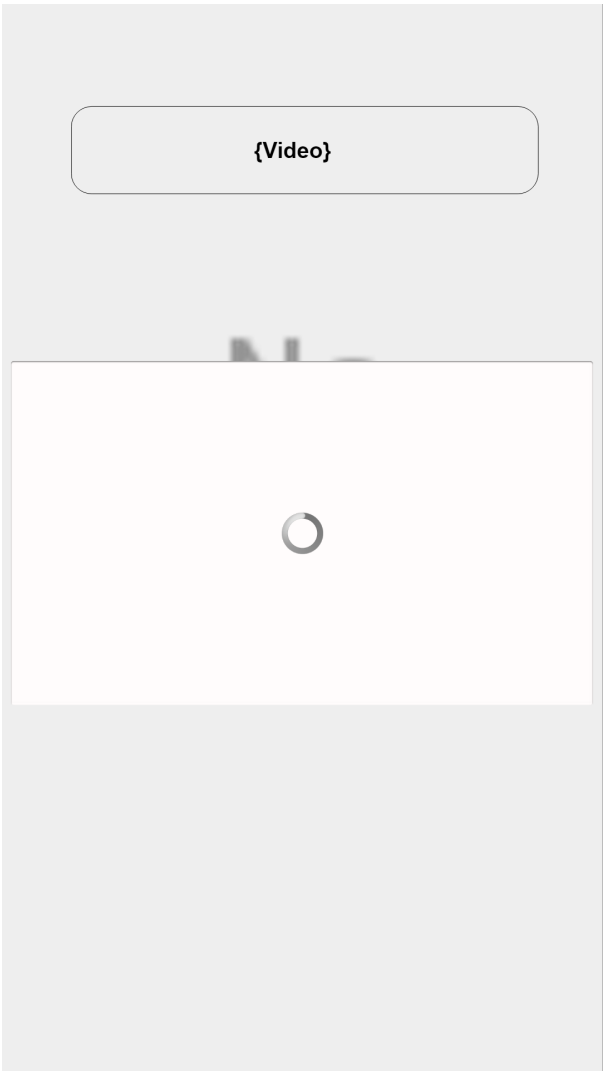
5.


{Willekeurige vraag}
No Image
W {antwoord}
X {antwoord}
Y {antwoord}
Z {antwoord}
Zeg het nummer van het goede antwoord!

6.

7.

8.



1.2.3. Speech configuration

```
curl -sL https://deb.nodesource.com/setup_9.x | sudo -E bash -

sudo apt-get install -y nodejs

sudo apt-get install -y build-essential

sudo apt-get install python-pyaudio python3-pyaudio sox

pip install pyaudio

sudo apt-get install libmagic-dev libatlas-base-dev

git clone https://github.com/ArtOfRobotics/Speechtest.git

cd Speechtest

node server.js
```