



Important points to note:

2.1: Image analysing to be done primarily using the OpenCV library.

2.2: RFID Sensing and differentiation will be attempted using UHF RFID cards.

3.1: Image downloading will be done to assist in image comparisons. Libraries such as Selenium and BeautifulSoup may be used.

3.2: Real time updates such as current weather may be obtained using libraries such as Selenium.

4.1: The location of the bot may be conveyed through a pictured mailed or messaged to the user.

Risk

1.Image Analysis:Image analysis may erroneous at times leading to the bot moving past the object and will leave us to depend on RFID and QR codes.

2.RFID:sensing of RFID of an object will be difficult when two objects are placed close together.

3.QR codes:Reading of QR codes will be impossible unless the code is on the outside of the objects.Also,depending on the intensity of light,reading of the codes may be difficult.

4. Web Scraping may not give us the required results but the results could give similar images after some time thus making the comparison with the real object a problem.
5. If object detection fails to identify object in front of the bot, it may collide and damage the hardware.