Arduino based obstacle avoidance robot

Report Name	Outline Project Specification
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1 Project description

The aim of the project is to design and build a wheeled robot that can independantly (with no user input) move around within an environment and not get hindered by any obstacles that may be in its path.

2 Work to be tackled

2.1 Hardware

Some of the work to be done will be designing the hardware of the system. This would have to take into consideration things like battery life expected for a 'decent' runtime, overall weight so that it is not over encumbered, size to make it practical and speed of operation as to not take too long and become useless or a hinderance to its purpose.
The various pieces of hardware or even the various subsystems will need to be bale to talk to each other reliably.

2.2 Software

Software is the major component to this project where all of the sub-systems will be independant entities that do their own job and comminicate with the other systems to form a complete system. These various systems may be running on seperate pieces of hardware and even writen in different languages, this must also be taken into account.

3 Project deliverables

4 Initial bibliography

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