

## Criteria to evaluate success:

In order to set goals for my project it was essential for me to establish some features against which my success can be measured. Establishing a set of **criteria** against which to **evaluate my success** helped to provide a focus for maintaining priorities.

In order to provide a *level of priority* for my criteria, I have chosen to use a scale of *high, medium and low*.

### Scale of priority:

**High:** this is a feature that I feel is very important and should be the focus of problem solving and refinement

**Medium:** with this level of priority I would aim to address this criteria, particularly when the item contributes to a *high* level item OR if the criteria is not critical to the success of the projects functionality

**Low:** This level of priority would be fully addressed only when *high* and *medium* priorities have been achieved OR they impact on the success of higher rated criteria.

Criteria	Explanation	Priority
Works automatically	<ul style="list-style-type: none"><li>Requires minimal human input or control</li></ul>	<b>High</b>
Pumps a manageable rate – in terms of distribution for irrigation	<ul style="list-style-type: none"><li>Pumping too fast will flood the area and exceed the flow rate capacity of irrigation pipes</li><li>Too slow means it wont reach the extent of piping.</li></ul>	<b>High</b>
'Problem' warning system audible/visual?	<ul style="list-style-type: none"><li>Some kind of alarm to notify user of problem such as overflow or failure to pump-out</li></ul>	<b>High</b>
Visual fluid capacity indicator	<ul style="list-style-type: none"><li>System that shows the user the level of water without visiting the tank</li></ul>	<b>High</b>
Safety	<ul style="list-style-type: none"><li>Mixing electricity and water has potential to present substantial risk to the user.</li></ul> <p>Note: consider role of RCD's (residual current devices "safety switch")</p>	<b>High</b>
Collects the majority of grey water produced by the house - laundry	<ul style="list-style-type: none"><li>Able to collect and store waste water prior to distribution with an ability to adapt to other grey water outlets in the house</li></ul>	<b>High</b>

Ease of integration to existing house system	<ul style="list-style-type: none"> <li>minimal change to existing household plumbing is required for complete installation</li> </ul>	<b>Medium</b>
Reduces water usage for irrigation of plants and lawn	<ul style="list-style-type: none"> <li>reduces the amount of clean water used for irrigation</li> </ul>	<b>High</b>
Minimal service required	<ul style="list-style-type: none"> <li>filter rarely cleaned</li> <li>or any other service of the system</li> </ul>	<b>Medium</b>
Noise	<ul style="list-style-type: none"> <li>low level noise transmission to neighbouring areas ie: not heard inside the house or by neighbours</li> </ul>	<b>Medium</b>
Aesthetics	<ul style="list-style-type: none"> <li>whilst the 'system' will be installed under the house it needs to look 'reasonable' and be compact and neat</li> </ul>	<b>Low</b>
Budget	<ul style="list-style-type: none"> <li>it would be great to finish within the proposed budget but in real terms, the project needs to be finished and be functional.</li> </ul>	<b>Low</b>

I found the process of establishing these criteria very useful. It took a while to set the criteria and I kept adding to them as I learnt more about my project. The model and its evaluation helped me make up this list.

I am happy that I used a priority of **High, Medium and Low**. It will help me to make a decision between priorities if it comes to that.