Python Programming @ The department of Computer Science
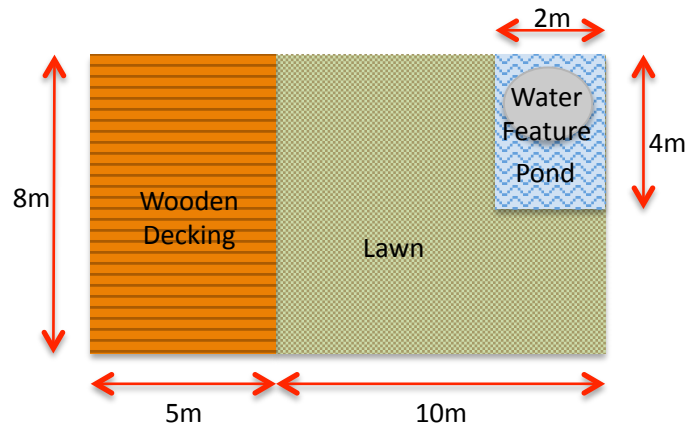

Landscape Gardening Quote II

Requirements
(Taken form AQA HCSE Specimen Controlled Assessment v1.0)

Customers provide a landscape gardening company with a plan as shown in the diagram. Costs are as shown in the table. There is also a labour charge of £16.49 for every hour of work done.

Work to be done	Cost of materials	Time to install
Laying a lawn	£15.50 per m²	20 mins per m²
Laying a concrete patio	£20.99 per m²	20 mins per m²
Installing a water feature (e.g. a fountain)	£150.00 each	60 mins each

Create a Python programme that: (a) allows a user to input lawn and patio dimensions and the number of water features required (if any); and (b) outputs the cost for each, the labour cost and the total cost.

Include:
1) A mechanism where by customer quotations can be saved so that these can be viewed at a later date.
2) A mechanism whereby previously saved customer quotations can be loaded and viewed.
3) A mechanism to allow the user of the system to store the costs of raw materials in an external file, so that these costs can be changed when the price of the materials rise and fall.
4) A monthly report generating facility.

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