

Equipment

Equipment Cost

Item	Capital cost (including VAT)		Annual cost	
Role Specific				
Visual Studio Ultimate + MSDN	£	10,889.00	£	2,965.65
Netbeans	£	-	£	-
Visio	£	899.00	£	-
Project	£	500.00	£	-
Adobe Design Standard	£	1,180.14	£	-
Office PC	£	799.00	£	-
Development PC	£	4,072.54	£	-
All Staff				
IT Support	£	-	£	200.00
Servers, printers and LAN	£	250.00	£	-
Internet line rental and bandwidth	£	-	£	250.00
Consumerables	£	-	£	120.00

Equipment Requirements

Staff Member	Job Role	Required equipment	Capital Cost	Annual Licence	3 Year Cost	Annual cost	Total Annual Cost
Mark Robinson	Java Team Leader						£ 1,917.56
		Project	£ 500.00	£ -	£ 500.00	£ 166.67	
		Adobe Design Standard	£ 1,180.14	£ -	£ 1,180.14	£ 393.38	
		Netbeans	£ -	£ -	£ -	£ -	
		Development PC	£ 4,072.54	£ -	£ 4,072.54	£ 1,357.51	
Matthew Ryder	C# Developer						£ 8,645.88
		Visual Studio Ultimate + MSDN	£ 10,889.00	£ 2,965.65	£19,785.95	£ 6,595.32	
		Visio	£ 899.00	£ -	£ 899.00	£ 299.67	
		Adobe Design Standard	£ 1,180.14	£ -	£ 1,180.14	£ 393.38	
		Development PC	£ 4,072.54	£ -	£ 4,072.54	£ 1,357.51	
Peter Ellsum	C++ Developer						£ 8,645.88
		Visual Studio Ultimate + MSDN	£ 10,889.00	£ 2,965.65	£19,785.95	£ 6,595.32	
		Visio	£ 899.00	£ -	£ 899.00	£ 299.67	
		Adobe Design Standard	£ 1,180.14	£ -	£ 1,180.14	£ 393.38	
		Development PC	£ 4,072.54	£ -	£ 4,072.54	£ 1,357.51	
Thomas Hughes	Technical Author						£ 266.33
		Office PC	£ 799.00	£ -	£ 799.00	£ 266.33	

Office

Cost Per Square Foot Calculations

Item	Cost/sqft		
	Lower	Upper	Average
Rent	30	50	40
Maintainance	5	10	7.5
Rates	10	14	12
Total			59.5

Cost Source: http://www.occupa.co.uk/howmuch_space.php

Team Costing

Space	Size (sqft)	Quantity	Total Size	Annual Cost	Shared between	Per Person Cost
Medium open plan office	100	4	400	£ 23,800.00	4 £	5,950.00
Large comms room	180	1	180	£ 10,710.00	40 £	267.75
Medium reception	200	1	200	£ 11,900.00	200 £	59.50
Large reprographics	60	1	60	£ 3,570.00	40 £	89.25
Medium meeting room	200	1	200	£ 11,900.00	40 £	297.50
Medium refreshment area	110	1	110	£ 6,545.00	40 £	163.63
Total				£ 68,425.00	£	6,827.63

Floor Space Source: <http://www.devono.com/office-space-calculator/>

Staff

Staff Cost

		Annual Costs											
Name	Role	Gross Salary	Office	Employer NI	Equipment	Training	Pension	Benefits	Total Cost	Net Salary	Cost Per Hour		
Mark Robinson	Java Team Leader	£ 52,500.00	£ 6,827.63	£ 6,269.52	£ 1,917.56	£2,000.00	£4,200.00	£ 204.56	£ 73,919.27	£35,956.46	£	51.46	
Matthew Ryder	C# Developer	£ 40,000.00	£ 6,827.63	£ 4,544.52	£ 8,645.88	£1,000.00	£3,200.00	£ 204.56	£ 64,422.58	£28,442.36	£	44.85	
Peter Ellsum	C++ Developer	£ 48,500.00	£ 6,827.63	£ 5,717.52	£ 8,645.88	£1,000.00	£3,880.00	£ 204.56	£ 74,775.58	£33,720.46	£	52.06	
Thomas Hughes	Technical Author	£ 35,000.00	£ 6,827.63	£ 3,854.52	£ 266.33	£1,000.00	£2,800.00	£ 204.56	£ 49,953.04	£25,182.36	£	34.78	

NI Source: <http://nicecalculator.hmrc.gov.uk/Class1NICs1.aspx>

Salary Source: <http://www.itjobswatch.co.uk/>

Net Salary Calculator: <http://listentotaxman.com/index.php>

NB: Benefits include private health insurance and travel insurance

BUPA Travel Insurance <http://www.bupa.co.uk/business/all-business/travel-insurance/business-travel-cost>

Private health insurance <http://www.uk-insurance-index.co.uk/articles/article-8.html>

Working Hours

Date Type	Number of Days	
Per Staff Member		
Weekday Days	260.9	
Paid bank holidays	8	
Holidays	25	
Average Sickness Days	6.7	
Training Days	10	
Maternity/Paternity Leave	5	
Birthday	1	
Total Working Days	205.2	
Total Working Hours	1436.4	NB: Per hour cost based on 8 hour day minus one hour for lunch
Team Overall		
Total Working Days	820.8	
Total Working Hours	5745.6	

Work Load

Staff Member	Hours	Cost
Mark Robinson	796.4	£ 40,983.92
Matthew Ryder	340.4	£ 15,266.95
Peter Ellsum	470.2	£ 24,477.50
Thomas Hughes	62	£ 2,156.15
Total	1669	£ 82,884.51

Expenses

Project Expenses

Expense	Type	Cost		Occurances	Total
Transport to and from client	Client visit	£	250.00	3	£ 750.00
Total					£ 750.00

Corporate

Corporate Expenses

Department	Activity	Cost	
Finance	Accounting	£	5,000.00
Finance	Payment Processing	£	300.00
Finance	Taxation	£	750.00
Finance	Payroll	£	200.00
Human resources	Human Resource Management	£	264.68
Marketing	Market Research	£	2,500.00
Marketing	Advertising	£	2,500.00
Legal	Clearing	£	1,500.00
Legal	Lisences and contracts	£	1,000.00
Legal	General Protection	£	1,000.00
Executive Committee	Upper Management	£	4,500.00
Internal Audit	Management and Quality Audit	£	300.00
Support	Phone Support (2 Years)	£	2,000.00
Project Management	Over Run Insurance	£	47,925.21
Software Development	Development Team Bonus Fund	£	7,668.76
Profit	Company profit	£	18,292.21
Total		£	95,700.85

Note to examiner: For this to spreadsheet to work iterative formulas must be enabled

Over Run Source: <http://www.galorath.com/wp/software-project-failure-costs-billions-better-estimation-planning-can-help.php>

HR Source: <http://www.xperthr.co.uk/blogs/employment-intelligence/2008/01/cost-of-hr-activities-is-876-p-1.html>

Profit Source: http://www.data360.org/dataset.aspx?Data_Set_Id=997&magnitude=hide

NB: Bonus is Only paid to development team if the project meets the deadline and does not go over budget, otherwise it is absorbed into the development budget

Total and Summary

Summary

Item	Cost
Equipment	£ 5,953.78
Office	£ 7,933.24
Staff	£ 68,997.50
Expenses	£ 750.00
Corporate Fees	£ 95,700.85
Gross Total	£ 179,335.36
VAT (20%)	£ 35,867.07
Net Total	£ 215,202.43

License

License Price

Item	Price	
Language & Roles	£	1,077.78
Phone Support (2 Years)	£	2,000.00
Installation	£	1,084.72
Gross Total	£	4,162.50
VAT (20%)	£	832.50
Net Total	£	4,995.00

Additional Items

Additional Items

Item	Item Cost		Full Gross Cost		VAT (20%)		Net Cost	
Phone Support (1 Year)	£	1,000.00	£	1,500.00	£	300.00	£	1,800.00
German Language Pack	£	10,000.00	£	10,500.00	£	2,100.00	£	12,600.00
French Language Pack	£	10,000.00	£	10,500.00	£	2,100.00	£	12,600.00
Spanish Language Pack	£	10,000.00	£	10,500.00	£	2,100.00	£	12,600.00
Russian Language Pack	£	12,000.00	£	12,500.00	£	2,500.00	£	15,000.00
Italian Language Pack	£	12,000.00	£	12,500.00	£	2,500.00	£	15,000.00
Portuguese Language Pack	£	12,000.00	£	12,500.00	£	2,500.00	£	15,000.00
Dutch Language Pack	£	12,000.00	£	12,500.00	£	2,500.00	£	15,000.00

Service Charges

Department	Service	Service Cost	
Finance	Payment Processing	£	300.00
Finance	Accounting	£	50.00
Legal	Lisences and Contracts	£	100.00
Legal	Legal protection	£	50.00
Total		£	500.00