

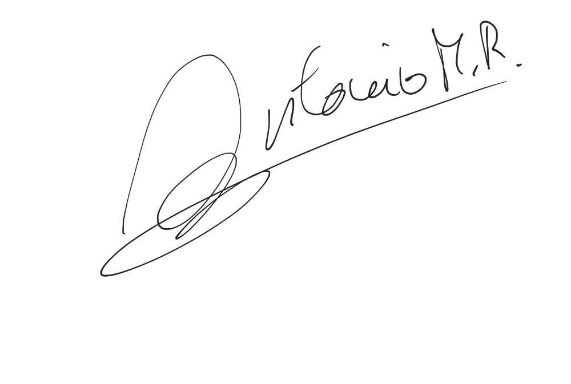
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COST REPORT

D01 - Introduction - Group nº2

**Members**

Married White, José Luis

García Lanzas, Jesús Manuel

González Gutiérrez, José Manuel

Martínez Rojas, Antonio

Morón Vilán, Juan

Trinity Elm, Alba del Rosario

**Antonio Martínez Rojas (Project Manager)**

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# Cost Report

The general report of the total budget of the project will be divided into the following aspects to be developed:

## Direct costs: Staff

Part of the budget devoted to the group of developers. It is made up of six junior programmers in Java language and Spring and Hibernate technologies.

### Estimation

A first estimation of the project costs was made based on internal deadlines that were agreed in order to obtain a functional version as soon as possible. The deadlines are as follows:

* Modeling
  + Conceptual model: February 15 at 23:39h.
  + Domain model: February 16 at 23:59h.
* Repositories and services: February 18 at 23:59h.
* Testing of Repositories and services: February 20th at 23:59h.
* Views and controllers: February 24th at 23:59h.

The costs of the project are specified in the table below, in which we have agreed on a number of factors:

* The hourly rate to be paid to programmers has been set at 10€/hour.
* It has been assumed that months have 30 days, that a day is made up of 8 working hours and that all workers have full-time contracts.

#### Salaries

|  |  |  |  |
| --- | --- | --- | --- |
| **Employees** | **Working hours (h)** | **Gross salary (€/hour)** | **Total gross salary (€)** |
| Developers | 18 | 10,00 € | 180,00 € |

Table 1 - Estimated wage costs

#### Social costs

|  |  |  |
| --- | --- | --- |
| **Employees** | **Total gross salary (€)** | **Social costs** |
| Developers | 180,00 € | 53,83 € |

Table 2 - Estimated social costs

#### Formation

|  |  |  |  |
| --- | --- | --- | --- |
| **Employees** | **Concept** | **Hours** | **Cost** |
| Developers | Class | 5,5 | 55,00 € |
| Developers | Revisions | 5,5 | 55,00 € |
| Developers | Weekly meetings | 6 | 60,00 € |
| Total |  |  | 170,00 € |

Table 3 - Personnel training costs

With the above data, we obtain that the **total personnel cost of the estimated project** would be: (180,00 € + 53,83 € + 170,00 €) \* 6 developers = **2.422,98 €.**

### Real

On the basis of the estimate made, work began on the project trying to rigorously meet the deadlines previously agreed. The actual deadlines were:

* Modeling
  + Conceptual model: February 15.
  + Domain Model: February 16.
* Repositories and services: February 21.
* Testing of Repositories and services: February 24th.
* Views and controllers: March 3.

As can be seen, only the deadline designated for modeling was strictly adhered to. From that time onwards, a series of delays were triggered which led to the postponement of the next internal deliverables from their respective dates. These delays will have a significant impact on the total cost of staff. The actual costs are as follows:

#### Salaries

|  |  |  |  |
| --- | --- | --- | --- |
| **Employees** | **Working hours (h)** | **Gross salary (€/hour)** | **Total gross salary (€)** |
| Developer 1 | 60,39 | 10,00 € | 603,39 € |
| Developer 2 | 55,32 | 10,00 € | 553,20 € |
| Developer 3 | 54,54 | 10,00 € | 545,54 € |
| Developer 4 | 50,23 | 10,00 € | 502,30 € |
| Developer 5 | 46,50 | 10,00 € | 465,50 € |
| Developer 6 | 45,70 | 10,00 € | 457,00 € |

Table 4 - Real wage costs

#### Social costs

|  |  |  |
| --- | --- | --- |
| **Employees** | **Total gross salary (€)** | **Social costs** |
| Developer 1 | 603,39 € | 180,41 € |
| Developer 2 | 553,20 € | 165,41 € |
| Developer 3 | 545,54 € | 163,12 € |
| Developer 4 | 502,30 € | 150,19 € |
| Developer 5 | 465,50 € | 139,18 € |
| Developer 6 | 457,00 € | 136,64 € |
| TOTAL | 3.126,93 € | 934,95 € |

Table 5 - Real social costs

#### Formation

|  |  |  |  |
| --- | --- | --- | --- |
| **Employees** | **Concept** | **Hours** | **Cost** |
| Developers | Class | 5,5 | 55,00 € |
| Developers | Revisions | 5,5 | 55,00 € |
| Developers | Weekly meetings | 15 | 150,00 € |
| Total |  |  | 260,00 € |

Table 6 - Personnel training costs

With the previous data, we obtain that the **total cost of personnel of the real project** will be: 3.126,93 € + 934,95 € + 1.560,00€ = **5.621,88 €.**

## Indirect costs: Amortization

Computer equipment must be depreciated. According to the Tax Agency, the maximum linear coefficient applicable to teams that carry out information processing work is 25% per year, with a maximum of 8 years. Thus, it has been agreed to establish a minimum period of 4 years to carry out the renewal of equipment because it is subjected to an intensive workload during development. A team of 1,000.00 € will be amortized at a rate of 250.00 € per year (or 0.087 € per hour).

|  |  |  |  |
| --- | --- | --- | --- |
| **Employees** | **Working hours (h)** | **Cost per hour** | **Total cost (€)** |
| Developer 1 | 60,39 | 0,087 € | 5,25 € |
| Developer 2 | 55,32 | 0,087 € | 4,81 € |
| Developer 3 | 54,54 | 0,087 € | 4,74 € |
| Developer 4 | 50,23 | 0,087 € | 4,37 € |
| Developer 5 | 46,50 | 0,087 € | 4,05 € |
| Developer 6 | 45,70 | 0,087 € | 3,98 € |
| Total |  |  | 27,20 € |

Table 7 - Amortization of work equipment

## Benefit

It has been agreed to apply a 20% profit on the direct and indirect costs of the project, so there would be a **profit**: (5.621,88 € \* 0,20) + (27,2 € \* 0,20) = **1.129,82 €**

## Total costs

|  |  |
| --- | --- |
| **Concept** | **Quantity** |
| Direct costs | 5.621,88 € |
| Indirect costs | 27,20 € |
| Benefit | 1.129,82 € |
| Total without V.A.T. | 6.778,90 € |
| V.A.T. (21%) | 1.423,57 € |
| **TOTAL** | **8.202,47 €** |

Table 8 - Total project costs