HOMEWORK



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Contents

[The costs of a software product (development and support/maintenance) 2](#_Toc392275835)

[LOREM IPSUM 3](#_Toc392275836)

[The standard Lorem Ipsum passage, used since the 1500s 3](#_Toc392275837)

[LOREM IPSUM 2 4](#_Toc392275838)

[Section 1.10.32 of "de Finibus Bonorum et Malorum", written by Cicero 4](#_Toc392275839)

# The costs of a software product (development and support/maintenance)

The software engineering is following all the aspects regarding the software production from the first stages of system specifications to the system support after the product is in use.

The process of building an application needs to complete several steps which help us to fix the costs of the new software product. Depending of the application type (mobile application, web application, desktop application) the costs will change.

The first phase is analyzing the new project that we have already received from the client. The project has to contain the client requirements which will be analyzed by the technical team. Several solutions will be provided to the client and the best one will be chosen. Following the client requirements we can estimate the initial cost of the new product. This will include the team which will work to this project and they will be numbered as man-years. For example we need an architect, project manager, developers, testers, business analysts.

In the total cost of a product we need to include also the second phase when building an application: development. At this stage the costs will need to cover the man-hour, including unexpected impediments which can cause the increase of the costs. For example the client can change a part of requirements during the development process; the client would like to modify the deadline so in this case we will need to involve more people in this project. In addition to these costs it might be possible the need of buying services/license form a 3’rd party.

When building a software product we will be able to choose the technology which will be used. It might be possible to buy licenses to use several technologies. Hosting this application will require Cloud hosting and depending of the performance and system requirements it will be charged accordingly.

Testing is another phase we can include in the cost of the project. Depending of the project’s complexity will be involved different types of testing. Any bugs that are found will need to be solved by the development team. This can cause an additional cost, based on the agreed contract. After the solution is finished and hosted, the contract between the client and the company can be continued in a maintenance support team. This will be charged additionally for each client’s small change request.

Excluding the direct costs of building a new product, it is possible that non-directs costs to be included on the total cost of the new software product. This non-directs costs can start with a small part of the company’s rent and end with new hardware and software components needed for company.

In conclusion the cost of a software product depends on a lot of factors and only a contract between the two parts can manage the relationships, benefits – costs.

# LOREM IPSUM

## The standard Lorem Ipsum passage, used since the 1500s

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# LOREM IPSUM 2

## Section 1.10.32 of "de Finibus Bonorum et Malorum", written by Cicero

"Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur?



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