

SUMMARY

The current dissertation has as objective to study the CodeIgniter technology applied to the development of web portals with architecture pattern MVC (Model-View-Controller).

The chapters that the current dissertation contains are described as follows.

Chapter I makes an introduction of the project's background, where the general information of the company MEGASYSTEM will be seen in which the applicative is implemented, the problem that merged the study of this tool, the objectives that were settle down when making this study, the justification and the scopes of this project. In Chapter II it is carried out a theoretical establishment about the CodeIgniter tool, an introduction is made and the main characteristics of the tool are revised, then a study of the main functionalities of the framework and the MVC architecture in which it is built, the development tools that are coupled with the framework and a study of the integration of the agent's database MySQL to CodeIgniter.

Chapter III corresponds to the development and implementation of the Web Portal application of the company MEGASYSTEM, the document of vision is carried out, the analysis of requirements, the design of the application where makes use of tools like: work flows, use cases, class diagrams, sequence diagrams, collaboration diagrams, states diagram, show of the design, it registers the development and the implementation of the portal, and it presents the main characteristics of the application. Chapter IV presents the finished applicative, the design of the database and the technical documents as well as the user's manuals.

Chapter V corresponds to the annotations about the operation tests made to the different portal modules. Chapter VI refers to the Conclusions and Recommendations of this research.