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2011-2012

File Hosting Application Database

Advanced Database Systems Applications The aim of this report is to design and develop a database project that complies and functions properly according to specific requirements, as those have been settled and messaged by the director of a company.

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Introduction

In the following lines we will undertake a case scenario where a director of a company has come up with the idea of employing a file hosting application for his business and has referred to us for developing a database plan that will stand out for his idea.

Breaking down the director's message we will try to conceptualize and extract the critical information that lie within the message and transform them to essential requirements that make sense in a database environment before responding with a proper database solution.

The database design, development and queering implementation will unfold on different sections implying those distinct steps that needed to carry out, before reaching to the proper solution.

The first section will introduce the proposed database design along with descriptive information for the entities that compose it, and is the proposed database for pulling out and covering the director's requirements effectively. Some complementary entities will be proposed next by the designer for optimizing the database function.

The second section will induce the actual development of the database using the "Oracle Database Developer". Creation of tables, application of the essential constraints and loading of plain data for the entities will dominate during this section. Additionally some testing will be performed in the section as this is imposed by the director.

The third section will cover the implementation of specific queries that make sense for the administrator of the database to address and monitor the recordings of the database, as those were ordered by the director once again.

The last section will accommodate the conclusions that have been gained during the assignment implementation.