

## Assignment Project Exam Help

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#### IT Projects<sup>1</sup>

# Assignment Project Exam Help successful 29% 27% 31% 28% 29% CHALLENGED / 49% 56% 56% 55% 52% FALE DS: // 230 W/C OG/C 16/O 19%

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<sup>&</sup>lt;sup>1</sup>CHAOS report by Standish Group, 2015



#### IT Projects<sup>1</sup>

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• There can be many reasons, including:

#### Australia was in the land that he was the Oder

- Requirements were not properly documented,
- Improper development methodology was used,
- Resources were not sufficient,
- There were communication issues,
- ...

<sup>&</sup>lt;sup>1</sup>CHAOS report by Standish Group, 2015



#### The Tyre Swing Project

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## $\underset{\text{the programmers}}{\text{As Addressed}} We \underset{\text{user some}}{\text{Sinkal patthe power the programmers}} We wanted the programmers where the programmer is the programmer of the pr$









#### **Database Design – Four Phases**

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The database design process has four phases:

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Conceptual Design

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Physical Design



#### Phase 1: Requirements Collection and Analysis

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analyzing data requirements of the organization so as to provide database solutions that fulfill business needs of the organization.

• complete position of the complete com

a description of data used or generated;

### Acal dr howards to bherte production would be a second of the second of

- any additional requirements for new database system;
- ...



#### Phase 2: Conceptual Design

## Assignment Project Fxam Help that is

https://power.com/sufficiently/simple and often graphical, er.com

 used to communicate the requirements of a database with nontechnical users.

A conceptual data model is built using the information in users requirements specification.

**Note:** The conceptual design is based on **the entity-relationship model** in this course.



#### **Phase 3: Logical Design**

# Assignment Project Exam Help relational or object-oriented).

• A conceptual data model is translated onto a logical data model, which can be urther leiked (e.g. premayatton to meetile data requirements. For example,

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To: Relations with their primary and loreign keys, which facilitates SQL

To: Relations with their primary and foreign keys, which facilitates SQL to deal with retrieving, updating and deletion.

**Note:** The logical design is based on **the relational data model** in this course.



#### **Phase 4: Physical Design**

## Assingia rescriptor processor in the restricting the xordata a modern p specific database management system (DBMS).

 Assume that the logical data model is the relational data model. Then the physical design is to dreate relations in a DBMS that involves:

Selecting the files in which to store the relations.

Deciding which indexes should be used to achieve efficient access.

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 The decisions made during the physical design phrase affect the performance and accessibility of the database.

**Note:** Details of this topic are out of the scope of our course.



#### **Database Design Process**

