2017 International Skills Competition of China

IT Software Solutions for Business

Test Project

Specification for Database Design

Written by Technical Experts Group

Refer to the following tasks for the requirements of the database.

Notes: You don’t have to build the database. No data are needed. You need to provide an ERD and data dictionary to define the database.

You need to design an access table structure of Basketball Management System to make the system support flexible access allocation.

1.System should support the hierarchy structure.

2.Organization should have different management status as below:

0-Normal/Active

1-Locked/Cannot modify any data2-Outdated

3-Invalid

3.Any **department** belongs to an **organization**.

4.System support the hierarchy structure of **“departments”**.

5.User must belong to certain department.

6.One user can have multiple roles.

7.User should have different management status as below:

0-Normal/Active

1-Locked/Cannot modify any data

2-Outdated

3-Invalid

8.The role of one user can be related to multiple operations.

9.Supplement the other properties of the related table to make the setting of the properties of the table reasonable.