

## Design and Implementation of Driving School Information Management System Based on Dreamweaver

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**Abstract.** With the rapid development of informational construction, higher request is needed by the management of drive-training enterprise. Driving-training school's effective management can reduce the waste of human power and wealth very much, and ensure driving-training school's information resource to be utilized effectively. As the share of human power and information becomes deeper and weeper, the management and share of driving-training school's manager, vehicle and student become more and more important. Present management method's key issues exist as follows. Enrollment, health examination and graduation information of drive-training school students are operated artificially, which is not only with low efficiency but also make mistakes often with many students, vehicle and coaches, distribute of student to coach and coach to vehicle is made artificially. In this way, resource can't be assigned reasonably and used effectively, which are clumsy human usage, unclear of administration responsibility and so on.

### Introduction

With the rapid development of informational construction, higher request is needed by the management of drive-training enterprise [1]. Driving-training school's effective management can reduce the waste of human power and wealth very much, and driving-training school's information resource can be utilized effectively. As the share of human power and information becomes deeper and weeper [2-3], the management and share of driving-training school's manager, vehicle and student become more and more important. Present management method's key issues exist as follows. Enrollment, health examination and graduation information of drive-training school students are operated artificially, which is not only with low efficiency but also make mistakes often with many students, vehicle and coaches, distribute of student to coach and coach to vehicle is made artificially [4]. In this way, resource can't be assigned reasonably and used effectively, which are clumsy human usage, unclear [5] of administration responsibility and so on.

On the base of analysis of driving-training school student management complexity and vehicle usage problem, this paper applies the technologies of Microsoft office Access and Dreamweaver8, and designs and carries out a set of system platform to driving-training school management information, driving-training school student enrollment, basic information management are realized. Trough driving-training school information management system, this paper makes manager control all kinds of student information in time and vehicles rationally [6]. The management system that not only saves a great deal of manpower and financial resources of driving school, but also to improve and prettify driving school information management more easily and effectively.

In this sense, the main purpose of this design is to ensure the entire process of management system according to the software engineering methodology of Microsoft Access and Dreamweaver [6-7]. It's simple to find out that with the rapid development of information, organization pay attention to intelligent and efficiency of information management. In addition, we can also use visual studio to achieve this design.

The rest of this note is organized as follows: Section2 formulates the system design model and the demand analysis and the stability problem of software environment. Section 3 expounds E-R

graph of the overall design. Finally, Section 4 presents the main program design and implementation.

### System Development Model

Software development model is a software development strategy and to clear, intuitive show the whole process of software development, specify a task goal. In this design [8], I adopted the rapid model which has aimed at user needs, the uncertain and randomness [9] of driving-training school and the uncertainty of information management. Thus, rapid model is the best choice based on upon analysis. Furthermore, this model supports a better control resource management and information verification of the students and the coaches. The Software Requirements Analysis model [10] is as follows:

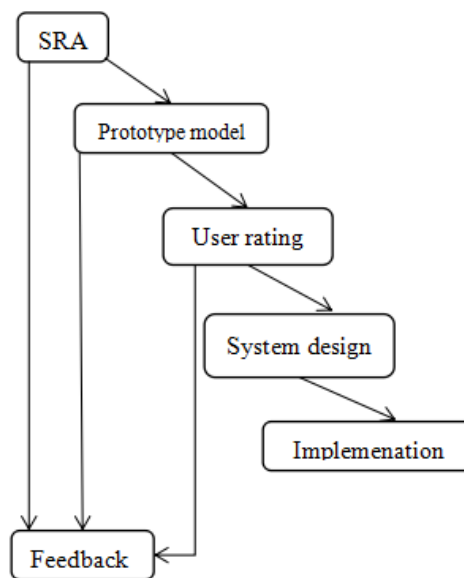


Figure 1. Software Requirements Analysis Model

In fact, with the development of Internet application, a perfect system should also be provided the function of the seamless access to the Internet, there are studies showing that by employing certain browsers such as Microsoft Edge, Firefox and 360 Explorer etc.

### The Functional Requirements

- (1) The student type module is used to set the type of students and the related information. Examples of such content include name, sex, ID number, contact, address, etc.
- (2) The students file creation module is used to set the exam information which include exam date, registration number and note information.

### The Advantage and Disadvantage of the System Design Advantages

- (1) System can work stably for a long time for certain stability and controllability from itself [11].
- (2) The system has the high error control [11-12].
- (3) The system has high query efficiency.
- (4) The system will have certain delay and canton for verification code update.
- (5) There will be delay page for too much ID address and high frequency of visits.

### System Design and E-R Graph

This database is to build a total of five charts.

**Relations1:** student (ID number, Name, Sex, Profession, Contact Address)

Major key: ID number

**Relations2:** Exam record (Exam serial number, Exam subject, Exam date, Exam locations, Exam notes)

Major key: Exam serial number

**Relations3:** Exam (ID number, Exam serial number, Results)

**Relations4:** Registration information (Name, Registration number, Name of the driving school, Payment amount)

Major key: Registration number

**Relations5:** Registration (ID number, Registration number, Transaction serial number)

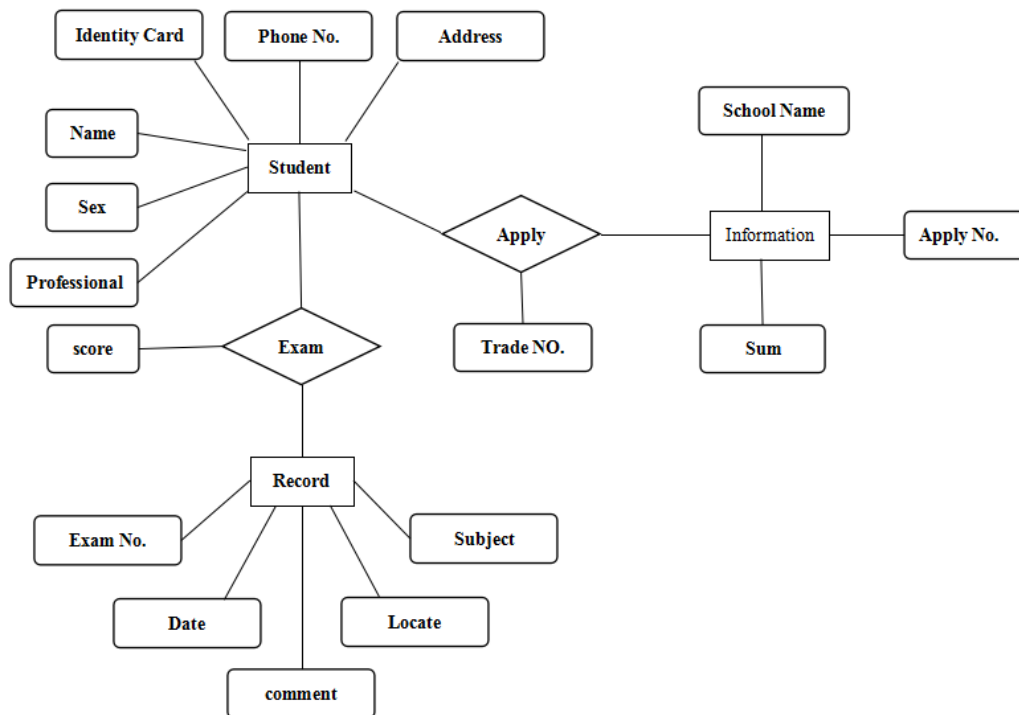


Figure 2. System ER-Graph

## Overall Database System

**The Establishment of the Database.** According to the system requirements, five charts need to be established.

(1) Student Information chart: There are six attributes in the chart: Name, Identity Card NO., Sex, Professional, Address, Phone NO.

(2) Exam Record chart: There are five attributes in the chart: Date, Subject, Locate, Exam NO., Comment.

(3) Exam chart: There are three attributes in the chart: Score, Identity Card NO., Exam No.

(4) Apply Information chart: There are four attributes in the chart: School name, Apply NO., Apply date, Sum.

(5) Apply chart: There are three attributes in the chart: Identity Card NO., Apply No., Trade NO.

Program design form is shown below:

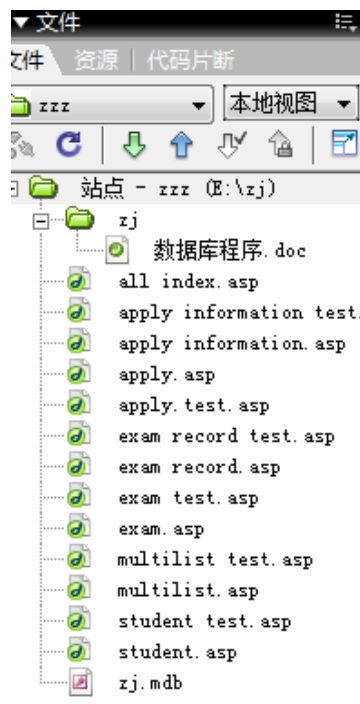


Figure 3. Database Application Form

```

16 <%
17 connstr="provider=Microsoft.Jet.OLEDB.4.0;DATA SOURCE=" & server.mapPath("zj.mdb")
18 set conn=server.createobject("ADODB.CONNECTION")
19 conn.open connstr
20 n1=request.form("zj6")
21 n2=request.form("zj7")
22
23
24 set rs=server.createobject("ADODB.RECORDSET")
25 sql="select * from information where 报名号='&n1&' and 驾校名称='&n2&'"
26 rs.open sql, conn
27
28 %>

```

Figure 4. The Application of Conditional Statements Queries

## Conclusion

Through the realization of the function of the database, Let us clear understanding to the basic concept of database and development prospects, and raise the awareness of database development and debugging server environment and related call language and system environment configuration. In the process of this design, we do our best to have a basic research and simulation data acquisition, seriously analyzes the user requirements, strive to design a database of stable performance, easy to operate.

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