Project Name		Confidentiality Level
DBMS Project		For Recipients' Reference Only
Project ID	Version	Document Code
	1.0	

DBMS Project Start Report

Revision Record

Date	Revision Version	CR ID /Defect ID	Sec No.	Change Description	Author
17/4/26	0			Started	李晓薇

Content

Keywords: *Words that will reflect main contents of the document.*

Abstract :

This system is the first version of the database management system, including database creation, database table management, record addition and query, integrity constraint implementation, index creation and implementation, multi-user, concurrency processing, transaction processing, database backup and recovery, etc. This document describes the design of each functional module to help the software developers analyze and design the software better. At the same time, it helps the clients to give better suggestions.

List of abbreviations : *Describe abbreviations in this document, full spelling of the abbreviation and Chinese explanation should be provided.*

Abbreviations	Full spelling	Chinese explanation
MFC	Microsoft Foundation Classes	微软基础类库
SDI	Single Document Interface	单文档界面
DBMS	Database Management System	数据库管理系统
RDBMS	Relational Database Management System	关系型数据库管理系统

1. Project Proposal

1. Project ID:

DBMS Project

2. Project Introduction:

A Database Management System is a large-scale software which can manipulate and manage the database. It is used to establish, use and maintain the database. It manages and controls the database in a unified manner to ensure the security and integrity of the database. The user accesses the data in the database through DBMS. The database administrator also maintains the database through DBMS. It can make many applications and users establish, modify and query the database through different methods at the same time or different moments. Most DBMS provide DDL(Data Definition Language) and DML(Data Manipulation Language) for users to define the schema structure and permission constraint of the database, and implement the data operations: add, delete, etc.

3. Project objective:

(1) Implement the project with DDL, DML, DCL functions.

(2) The project mainly implements functions like: Database Management, Table Management, Field Management and Data Management, etc.

(3) The interface of the project requirements beautiful, generous, clearness and better user experience.

4. System boundary:

Gaming peripherals are user's inputting data. The data source is database file, database description file, table definition file, record file, integrity description file and index description file.

5. Workload assessment:

Module	Sub-module	Workload（person/day）	Description
Create Project			Create a MFC SDI application
Interface Design			Design main interface of database management systems
Data Structure			Design data structure to implement core

			functions of DBMS
Exception Handling			Design the exception handling method in the program
Create Database			Create a default database, named “Ruanko”
Create Table Description File			Generate table description information
Define Table Structure			Input the field information of the table, save into the table definition file(.tdf), and display in the tree view and list view.
Show Table Structure			This function includes read *.tdf file and display table structure
Insert Record			Insert a row of record in a specified table, and save to the record file(*.trd) of the table
Select Records			Read the *.trd file of the specified table, and select all record, then display in the list view
Workload in total （person/day）			

Remarks: Person/day means workload of the number of person & day

2. Team building and Schedule

1. Project Plan： 2017/4/26 – 2017/5/24

2. Chief Project Manager： Number：1 Name：钱洋

3. Project Manager： Number： 2 Name：李晓薇， 祝梦婷

4. Project Team Member Number： 3 Name: 钱洋，李晓薇，祝梦婷

5. Source of Staff：

3. Risks Evaluating and Mitigating

1. Technical Risks：

(1)Not familiar with DDL function, DML function and DCL function of the DBMS

(2)Limited human resource

Resolution:

For self-learning and timely communication, mainly learn about the database knowledge.

2. Management Risks：

(1)Plan is not fully, so it is different to keep with the project schedule.

(2)The content of the project is too much.

Resolution：

(1) For project development, I should fully prepared and effective for time management.

(2) Seize the time to prepare the individual software quantity.

3. Other Risks：

(1)Because of power outages and other reasons, resulting in the loss of project data.

(2)Network status is poor, resulting in broken network.

Resolution：

(1) Back up the data frequently.

(2) Reasonable to arrange time to set aside space to solve risk.

