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Tasks of Week 1

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1 List of Tasks

Milestones Stage	Contents	Deliverables	Reference Materials
Project Start Stage	1. Project Start	Project Start Report	2 Project Start Stage
Project Planning Stage	2. Project Planning	Project Planning	3 Project Planning Stage
Requirement Analysis Stage	3. Requirement Analysis	Requirement Specification	4 Requirement Analysis Stage
System Design Stage	4. System Design	System Design	5 System Design Stage
Coding and Testing Stage	5. Read Coding Standards	Iteration code.	6 Coding and Testing Stage
	6. Create Project		7 Coding and Testing Stage I
	7. Interface Design		8 Coding and Testing Stage II
	8. Data Structure Design		9 Coding and Testing Stage III
	9. Exception Handling		10 Coding and Testing Stage IV

2 Project Start

2.1 Contents

1. Read the chapter “[3 Project Planning Stage](#)”, know the Tasks of Project Planning.
2. Set up project team and determine the team leader.
3. Hold the meeting of Project Start.

At the meeting, Discuss division of labor: Develop interface, Develop functions, etc. Arrange different crew on knowledge reserves

- (1) Interface: MFC SDI, View update, Tree view and List view, etc.
- (2) The function of DBMS: DDL function, DML function and DCL function of the DBMS.
- (3) File system: File operation and File directory management.

4. Research the business of DBMS

Research the functions and business of DBMS through MySQL or SQL Server 2008.

- (1) Research the functions of DBMS.
- (2) Research the data structure of DBMS.
- (3) Research the file structure of DBMS.

5. Obtain template file of “[Project Start Report](#)”, Write “[Project Start Report](#)” document.

2.2 Deliverables and Reference Materials

1. Deliverables

Upload “Project Start Report” document.

2. Reference Materials

Reference Materials	Resource Location
Project Start Report	2 Project Start Stage

3 Project Planning

3.1 Contents

1. Read the chapter “[3 Project Planning Stage](#)”, know the Tasks of Project Planning.
2. Reserve the technology of Project Planning Stage. Example: WBS and Gantt chart.
3. Conduct project planning to determine milestone stage.
4. Obtain template file of “[Project Planning](#)”, Read and fill “[Project Planning](#)” document.

3.2 Deliverables and Reference Materials

1. Deliverables

Upload “Project Planning” document.

2. Reference Materials

Reference Materials	Resource Location
Project Planning	3 Project Planning Stage

4 Requirement Analysis

4.1 Contents

1. Read the chapter “[4 Requirement Analysis Stage](#)”, know the Tasks of Requirement Analysis.
2. Reserve the technology of Requirement Analysis Stage. Example: Visio 2005, Start UML, etc.
3. Research the functions and business of MySQL or SQL Server 2008. Draw the function structure and business flow chart of DBMS.
4. Obtain the template file of “[Requirement Specification](#)”, and then read and fill “[Requirement Specification](#)” document.

4.2 Deliverables and Reference Materials

1. Deliverables

Upload “Requirement Specification” document.

2. Reference Materials

Reference Materials	Resource Location
Requirement Specification	4 Requirement Analysis Stage

Remark: Can complete the “Software Requirement Specification” document in the later stage.

5 System Design

5.1 Contents

1. Read the chapter “[5 System Design Stage](#)”, know the Tasks of System Design.
2. Carry out System Design
 - (1) Determine the technology selection.
 - (2) Design the program structure of DBMS.
 - (3) Design the interfaces of DBMS, Draw the interface prototypes.
 - (4) Design the business rules and draw the business flow chart.
 - (5) Design the data structure and file structure of DBMS.
 - (6) Design the classes and methods of DBMS.
- 3 Combine with project function, project technical research and so on to reserve project development of technology.
 - (1) The tools of design stage, example: Visio, Start UML.
 - (2) The technology of development interface, example: MFC SDI, View update, Tree View and List View, etc.
 - (3) File operation, example: File operation and File directory management.
4. Obtain the template file of “[System Design](#)”, and then read and fill “[System Design](#)” document.

5.2 Deliverables and Reference Materials

1. Deliverables

Upload “System Design” document.

2. Reference Materials

Reference Materials	Resource Location
System Design	5 System Design Stage

Remark: Can complete the “System Design” document in the later stage.

6 Read Coding Standards

Reference the chapter “[6 Coding and Testing Stage](#)”, read and study C++ coding standards.

Strictly follow the coding standards in the function development.

7 Develop Common Base Module

7.1 Contents

1. Create Project

Reference the chapter “[7 Coding and Testing Stage IV](#)”, understand function requirements and design idea, then create the project of DBMS.

2. Interface Design

Reference the chapter “[8 Coding and Testing Stage IV](#)”, understand function requirements and design idea, then design the interface of DBMS.

3. Data Structure design

Reference the chapter “[9 Coding and Testing Stage IV](#)”, understand function requirements and design idea, then design the data structure of DBMS.

4. Exception Handling

Reference the chapter “[10 Coding and Testing Stage IV](#)”, understand function requirements and design idea, then develop “Exception Handling” function.

7.2 Deliverables and Reference Materials

1. Deliverables

Upload “System Design” document.

2. Reference Materials

Reference Materials	Resource Location
Create Project	7 Coding and Testing Stage I
Interface Design	8 Coding and Testing Stage II
Data Structure Design	9 Coding and Testing Stage III
Exception Handling	10 Coding and Testing Stage IV

8 Write Working Log

Write a working log, talking about the harvest and existing problems in this week.