

Development and Implementation of Web-based Hotel Management System

----- Web application based on ASP.NET

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- ◆ Why I choose the project
- ◆ How I accomplish the project
 - Analyze user's need
 - Modeling
 - UI design and Database design
 - Testing
- ◆ Reflection on the project

Hotel Management System

- Information era
- Shorten the distance between companies and the world
- Increase business efficiency
- Improve service quality
- Enhance customer's satisfaction





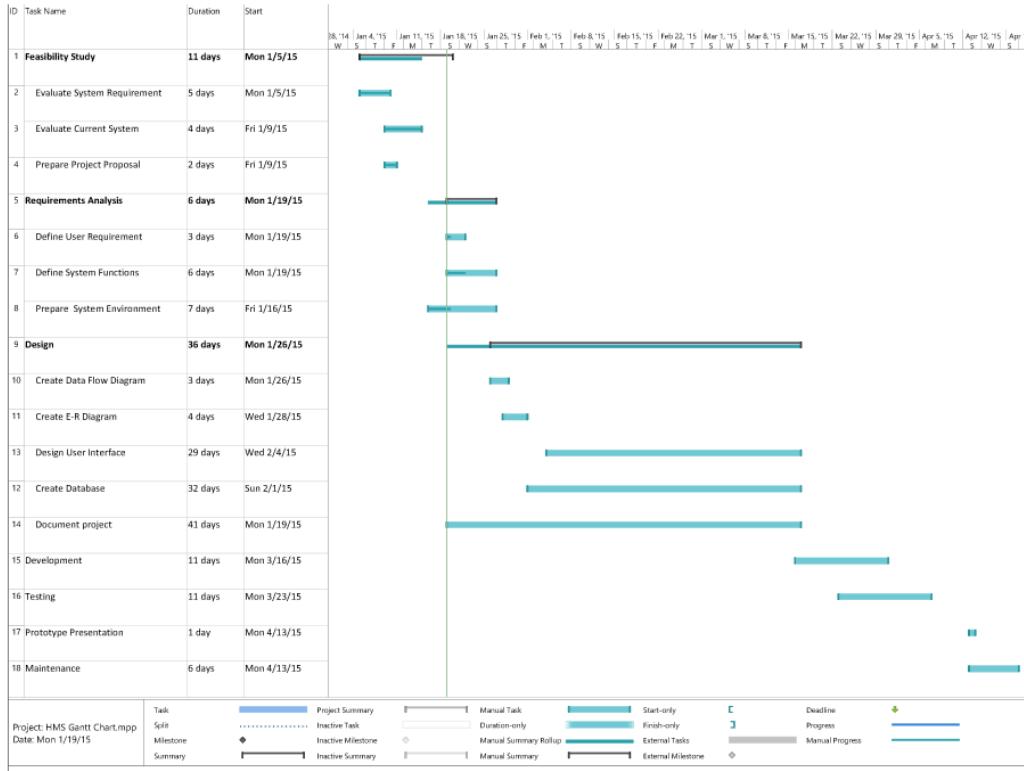
CHALLENGE

- Web programming
- Information structure
- System analysis and design
- C#
- ASP.NET

```
private string host;
private string username;
private string password;
private string database;
private string charset;

static private MySqlConnection Connect()
{
    MySqlConnection link = null;
    if (!self::link)
        throw new MySqlException("Current connection is not initialized");
    self::link = mysql_connect(self::host, self::username, self::password);
    if (self::link == null)
        throw new MySqlException("Connection to MySQL failed");
    mysql_select_db(self::database, self::link);
    if (self::link == null)
        throw new MySqlException("Selecting database failed");
    self::link = new MySqlConnection(self::link);
}
```

My Goal



- Design simple and user-friendly web page
- Get familiar with SQL Server
- Expand knowledge and skill about ASP.NET
- Develop a complete web application



Running Environment

- ✓ VMware Fusion
- ✓ Microsoft SQL Server
- ✓ Chrome
- ✓ Microsoft Visual Studio
- ✓ C# and .NET framework

System requirement analysis

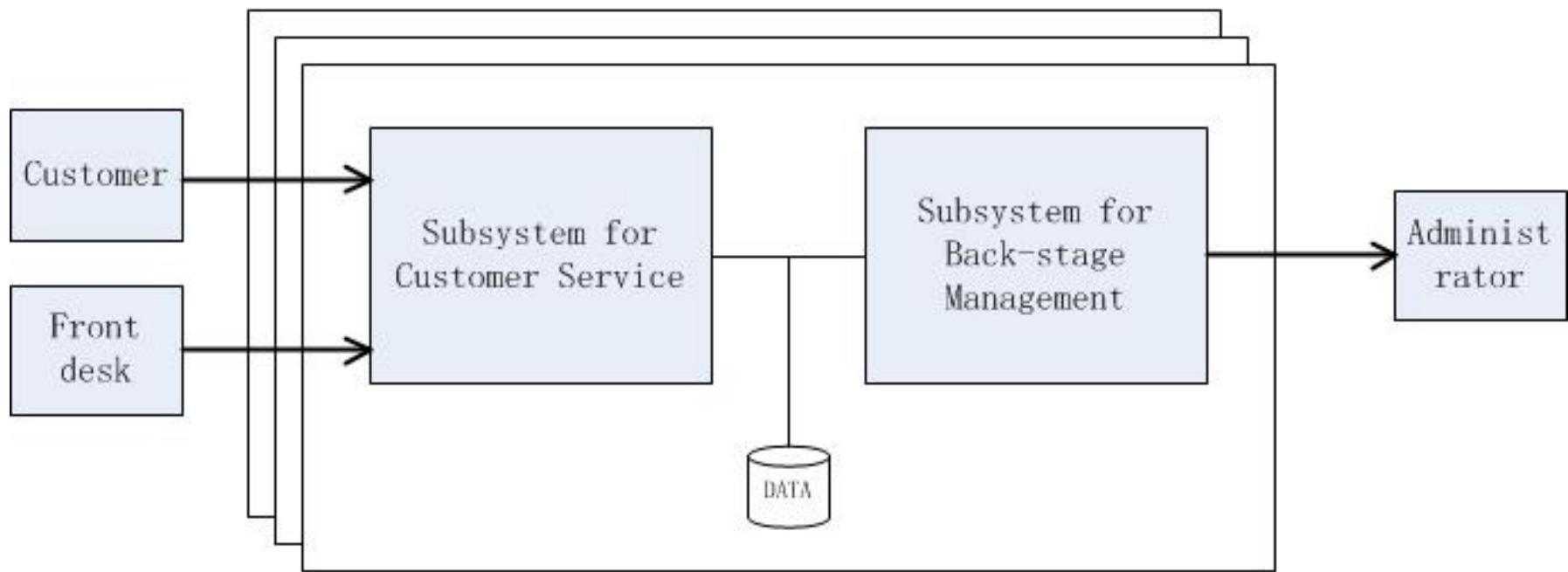


Three types of user – Boss (admin), manager and receptionist.

- Receptionist: receive, verify and register customer's information
- Manager: have access to room and customer information
- Boss (admin): highest privilege. Manage user account.

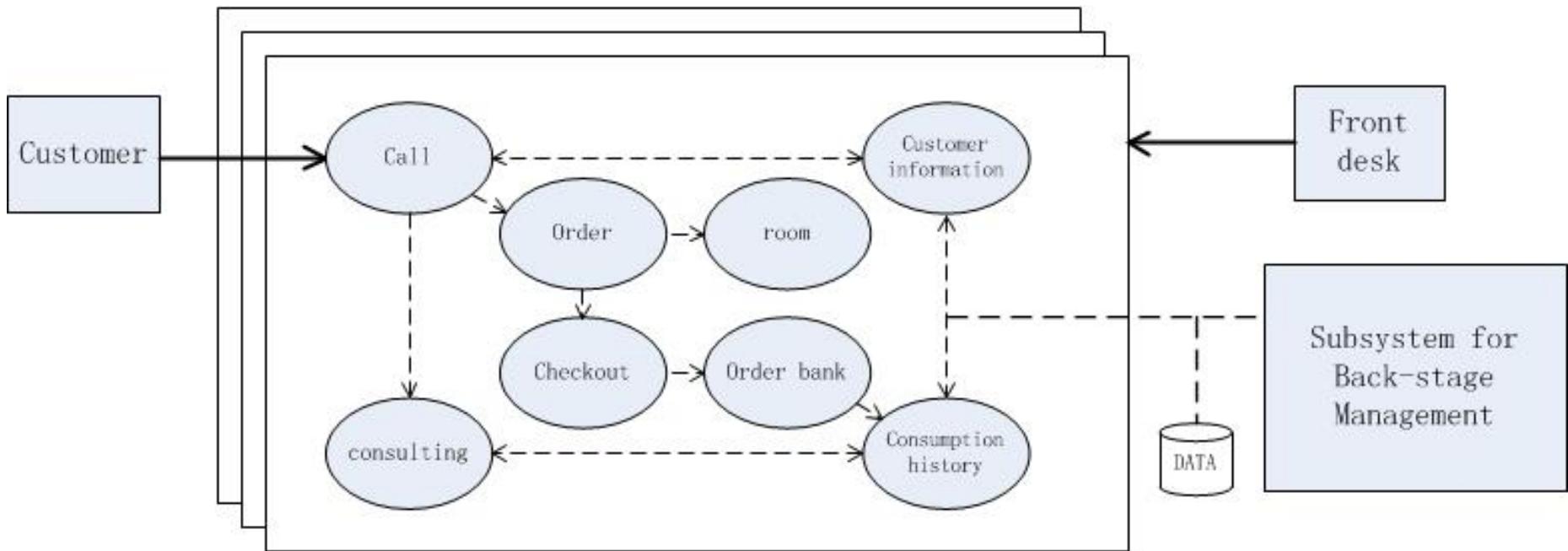
System use case diagram

Whole system use case diagram



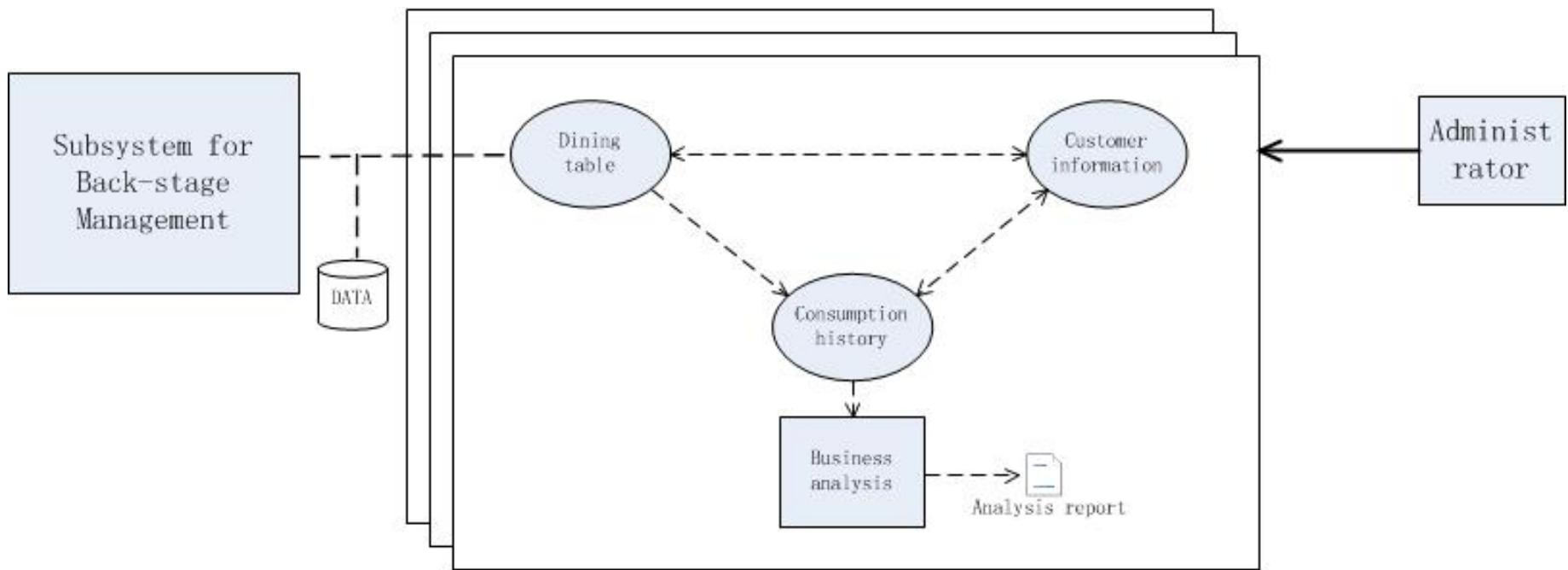
System use case diagram

Customer service subsystem use case diagram



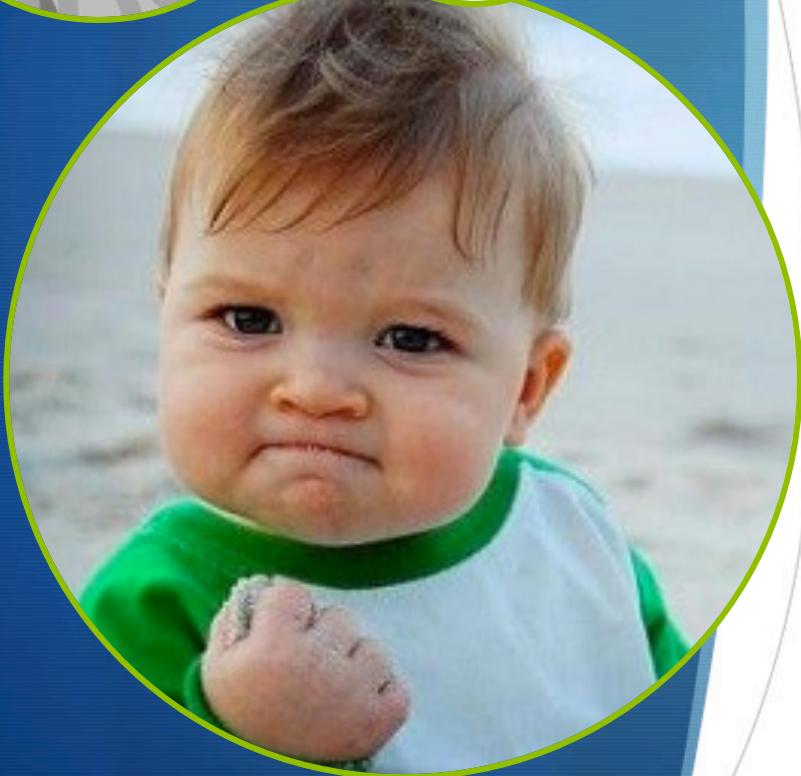
System use case diagram

Back-stage management subsystem use case diagram



Start coding!!!

- ◆ User interface design and accomplishment
- ◆ C#, ASP.NET, and SQL



Reflection on the project

- ◆ Self-learning



- ◆ It's better to try, and fail. Then try again.



- ◆ Have the courage to ask question



- ◆ Time management



Thank You!

