Thiết kế kiến trúc Ứng dụng quản lý nhà kho

Version 1.0

Sinh viên thực hiện:

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**Bảng ghi nhận thay đổi tài liệu**

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| --- | --- | --- | --- |
| **Ngày** | **Phiên bản** | **Mô tả** | **Người thay đổi** |
| 20/05/2018 | 1.0 | Phiên bản thiết kế kiến trúc đầu tiên | Nhân, Tin |

Mục lục

[1. Kiến trúc hệ thống 3](#_Toc369451629)

[2. Mô tả chi tiết từng thành phần trong hệ thống 4](#_Toc369451630)

# Kiến trúc hệ thống

Ứng dụng được triển khai trên nền tảng web nên sử dụng 2 kiến trúc chính đó là:

* Kiến trúc client-server
* Mô hình MVC

![A picture containing text, screenshot

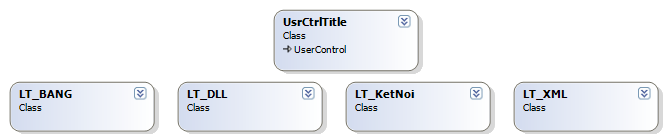
Description generated with high confidence](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4REYRXhpZgAATU0AKgAAAAgABAE7AAIAAAAgAAAISodpAAQAAAABAAAIapydAAEAAAAuAAAQ4uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAE5ow6JuIE5ndXnhu4VuIFBoxrDhu5tjIMSQ4buTbmcAAAWQAwACAAAAFAAAELiQBAACAAAAFAAAEMySkQACAAAAAzIwAACSkgACAAAAAzIwAADqHAAHAAAIDAAACKwAAAAAHOoAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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lP/AImiigA+0Xf/AD9yf98p/wDE0faLv/n7k/75T/4miigA+0Xf/P3J/wB8p/8AE0faLv8A5+5P++U/+JoooAPtF3/z9yf98p/8TR9ou/8An7k/75T/AOJoooAzriwupdTkv7fWb20mlhSGTyUgIZUZyvDxtzmRunrR9k1X/oZ9T/782v8A8ZooquZi5UH2TVf+hn1P/vza/wDxmj7Jqv8A0M+p/wDfm1/+M0UU+d/0kLlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5UH2TVf8AoZ9T/wC/Nr/8Zo+yar/0M+p/9+bX/wCM0UUc7/pIOVB9k1X/AKGfU/8Avza//GaPsmq/9DPqf/fm1/8AjNFFHO/6SDlQfZNV/wChn1P/AL82v/xmj7Jqv/Qz6n/35tf/AIzRRRzv+kg5US6dYjTrPyBNLOTJJK8su3c7O7OxO0AdWPQCiiipbu7srY//2Q==)

# Mô tả chi tiết từng thành phần trong hệ thống

*Với mỗi thành phần trong hệ thống, Anh/Chị hãy trình bày sơ đồ lớp của thành phần đó.*

*Có thể trình bày chi tiết các thuộc tính và phương thức, hoặc chỉ cần trình bày tên của các lớp đối tượng.*

***Ví dụ:***



|  |  |
| --- | --- |
| **Lớp đối tượng** | **Diễn giải** |
| UsrCtrlTitle | Tiêu đề |
| LT\_BANG | Mở và truy xuất Cơ sở dữ liệu |
| LT\_DLL | Mở và truy xuất DLL |
| LT\_KetNoi | Gửi các request GET và POST |
| LT\_XML | Mở và truy xuất XML |

|  |  |
| --- | --- |
| ***!*** | ***Lưu ý:***   * *Anh/Chị có thể sử dụng Visual Studio.NET 2005 hoặc JBuilder để có được sơ đồ lớp (thực tế) của ứng dụng* * *Nếu có các điểm đặc biệt trong kiến trúc, ví dụ như áp dụng mẫu thiết kế (Design Pattern), sử dụng kiến trúc .Net Tier/MVC…, hỗ trợ cơ chế plug-in…, Anh/Chị cần trình bày rõ để thể hiện điều này* |