



Prince Abdullah bin Ghazi Faculty of Information and Communication Technology  
Al-Balqa Applied University



# Examination Scheduling System

## Students:

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# Introduction

## Current Challenges

- **Manual Scheduling:** Time-consuming and error-prone process
- **Scheduling Conflicts:** Double-booked rooms and instructors
- **Extended Exam Periods:** Inefficient use of time and resources
- **Administrative Burden:** Heavy workload for staff

## Our Solution

- **Automated System:** Web-based examination scheduling platform
- **Conflict Detection:** Real-time validation and prevention
- **Multiple Exams/Day:** Optimized scheduling for shorter exam periods
- **User-Friendly Interface:** Intuitive design for administrators

# Project Objectives

## Main Objectives:

- Automate the exam scheduling process.
- Enable real-time conflict detection.
- Shorten examination periods.

## Expected Outcomes:

- Reduced scheduling errors.
- Improved resource utilization (rooms, instructors).
- Streamlined admin workflow.

# **Case Study & System Analysis**

**Beneficiary:** Prince Abdullah Bin Ghazi Faculty of IT at Al-Balqa Applied University.

**Problem:** Manual exam scheduling is inefficient and prone to conflicts

## **Analysis:**

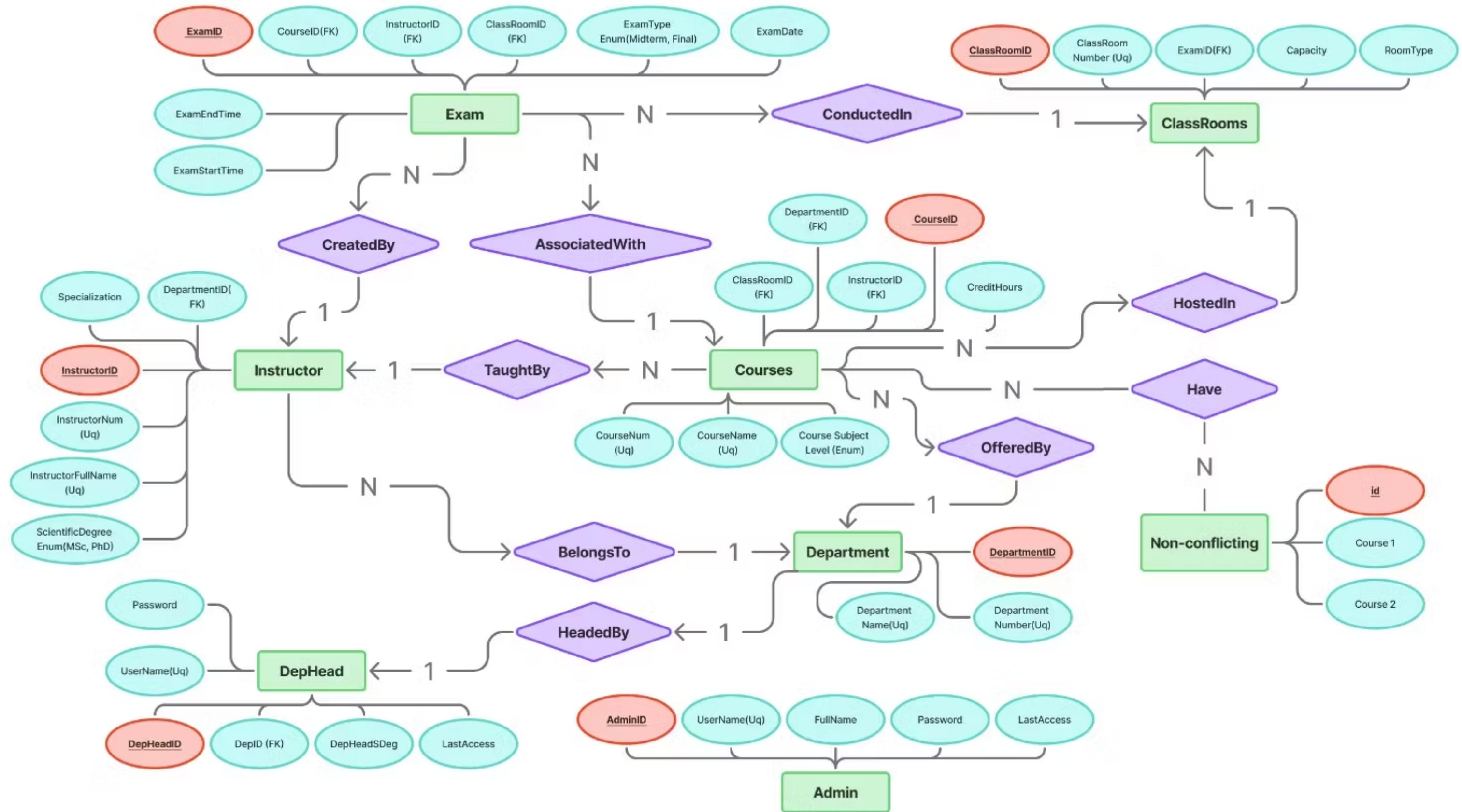
### **Functional Requirements:**

- Add/edit exams.
- detect conflicts.
- manage resources.

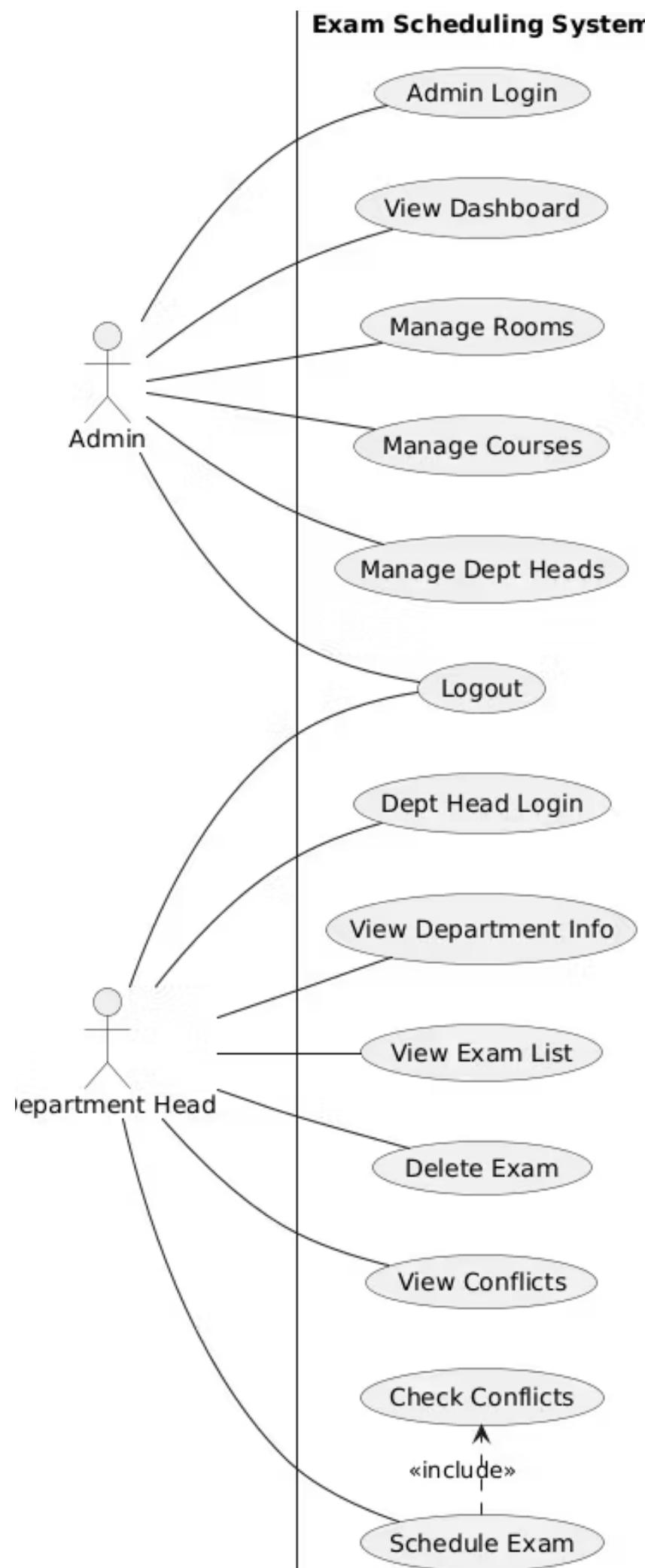
### **Non-functional Requirements:**

- Usability.
- security.
- performance.
- maintainability.

# ER diagram

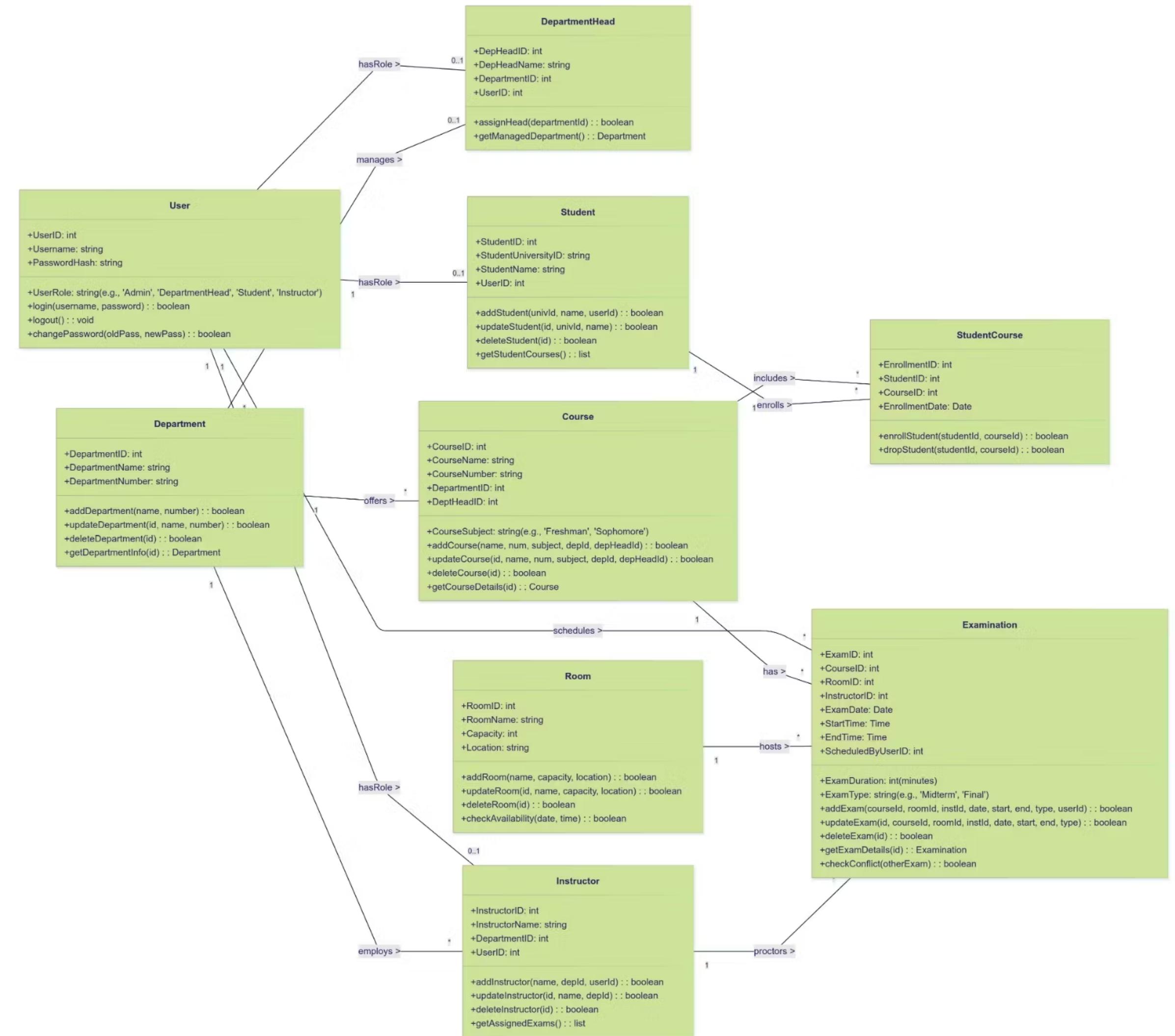


## Use Case Diagram

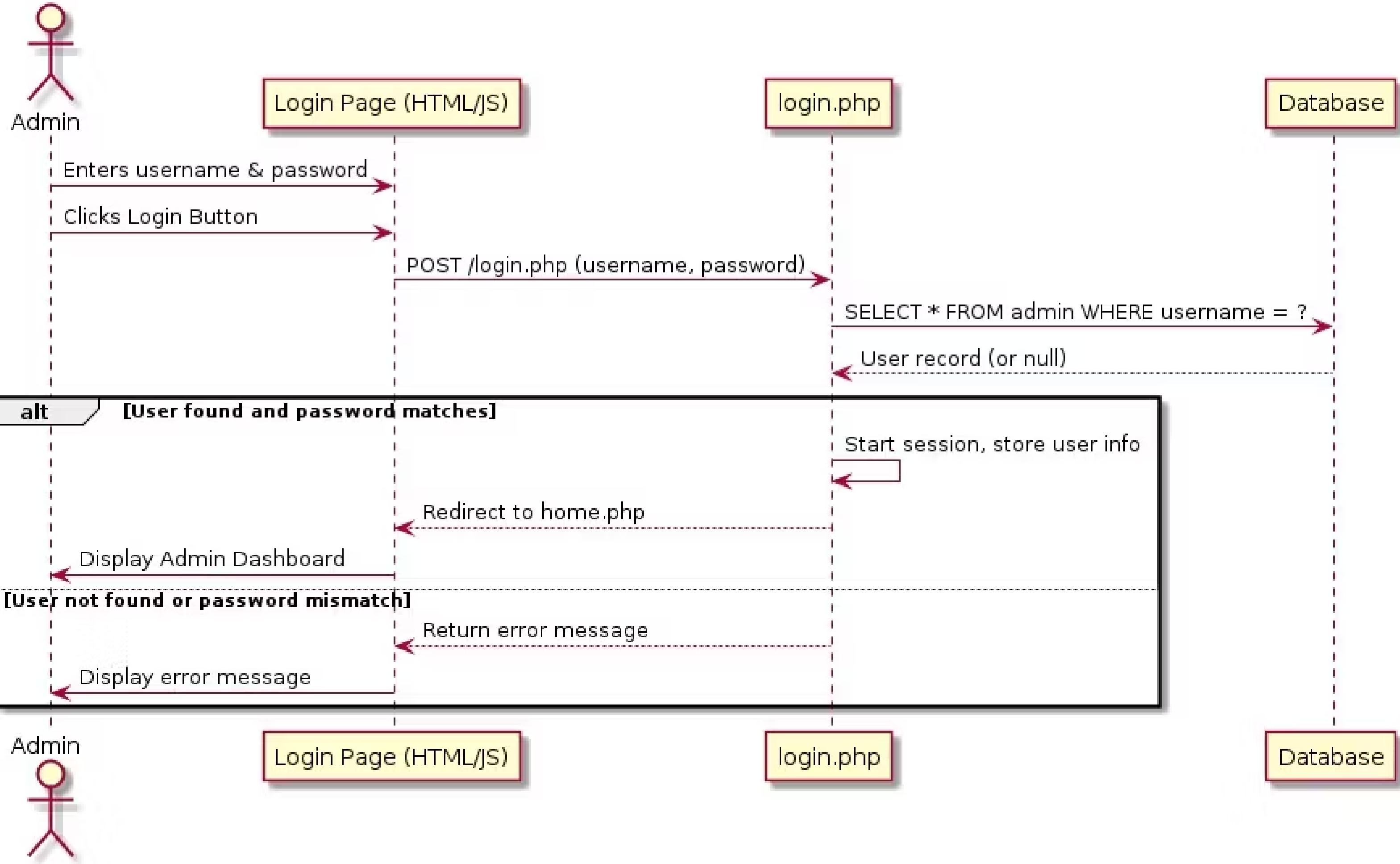


# System Design

## Class Diagram

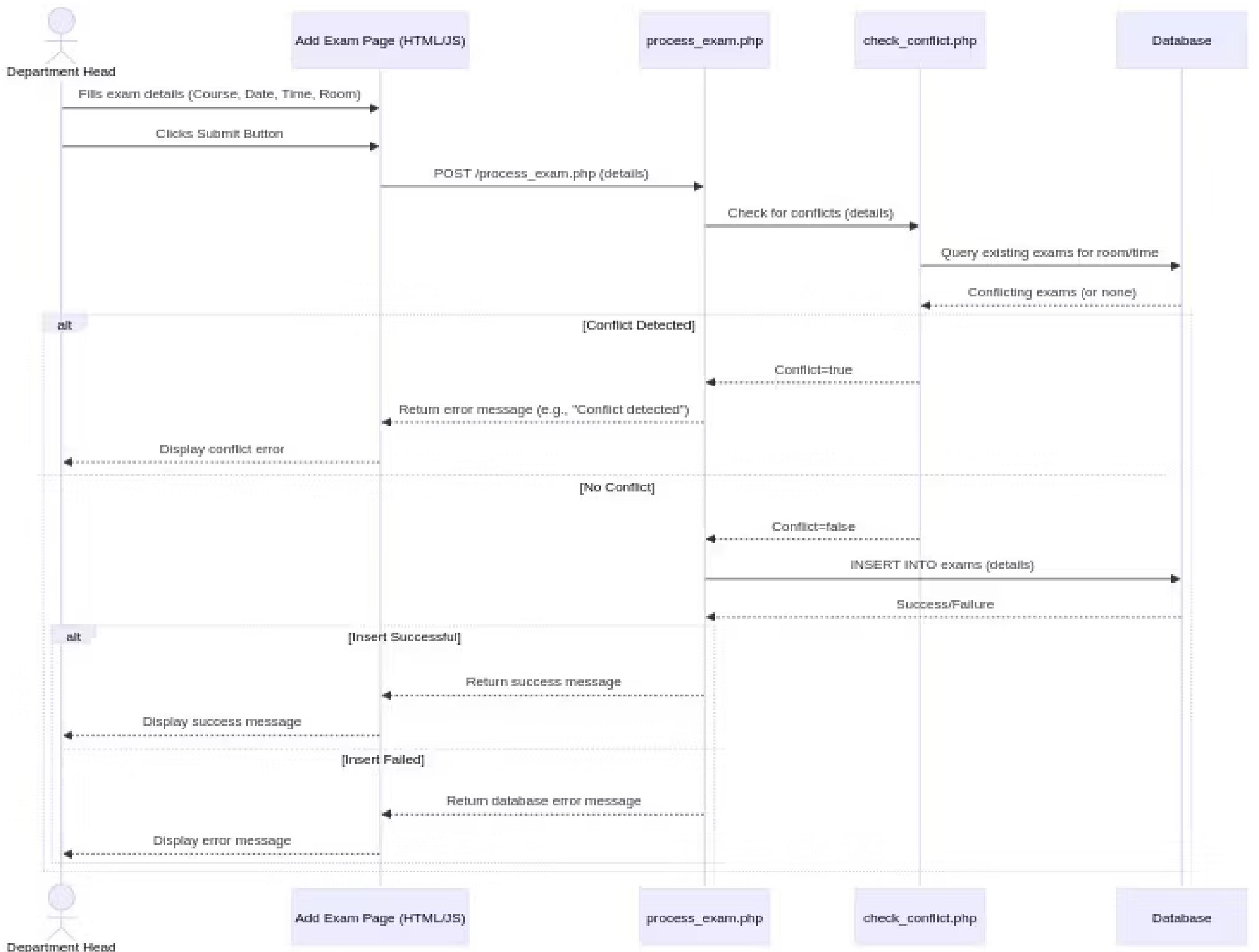


# Admin Login Sequence



# Schedule Exam

## Sequence



# ***Technologies Used***

***Languages***

HTML, CSS, JavaScript, PHP

***Database***

MySQL

***Development  
Environment***

XAMPP (localhost server)

***Justification***

These are lightweight, open-source, and easy to integrate for educational environments

# *Thank You*



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