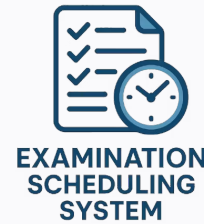




Prince Abdullah bin Ghazi Faculty of Information and Communication Technology
Al-Balqa Applied University



Examination Scheduling System

Students:

Alyamamah Alajarmah (32101002079)

Mona Haniyeh (32101002105)

Supervisor by: Dr. Raed Khalil

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:

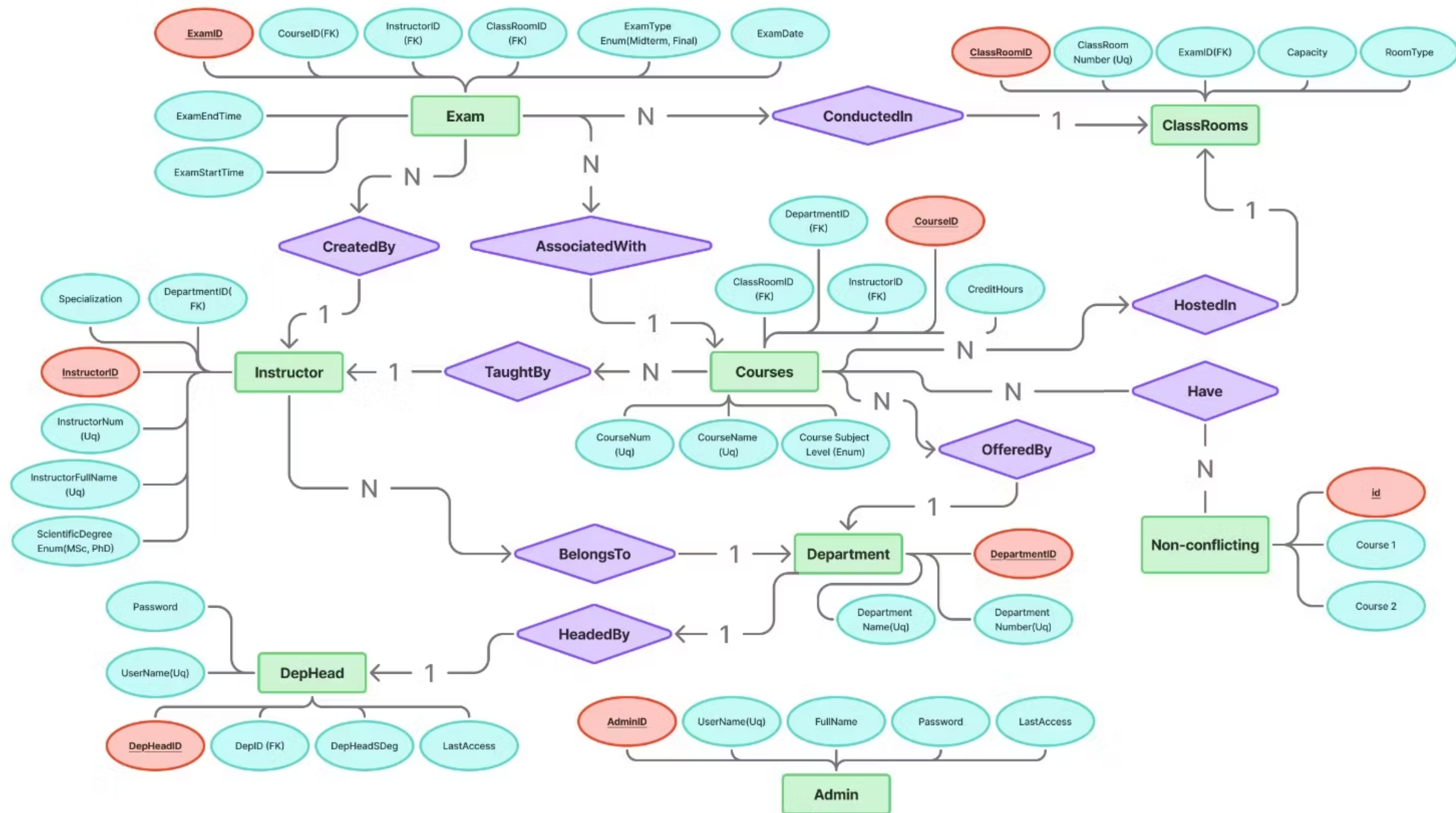
Functional Requirements:

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

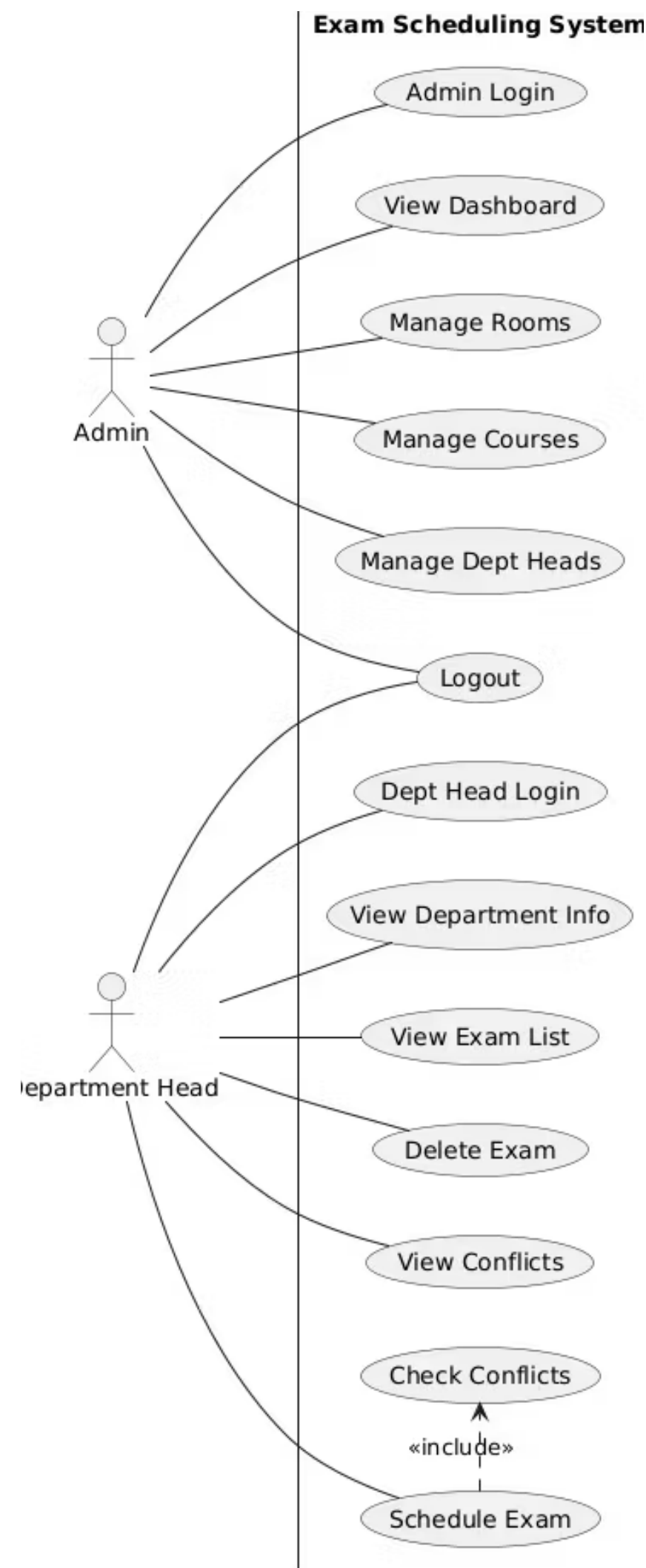
Non-functional Requirements:

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

ER diagram



Use Case Diagram

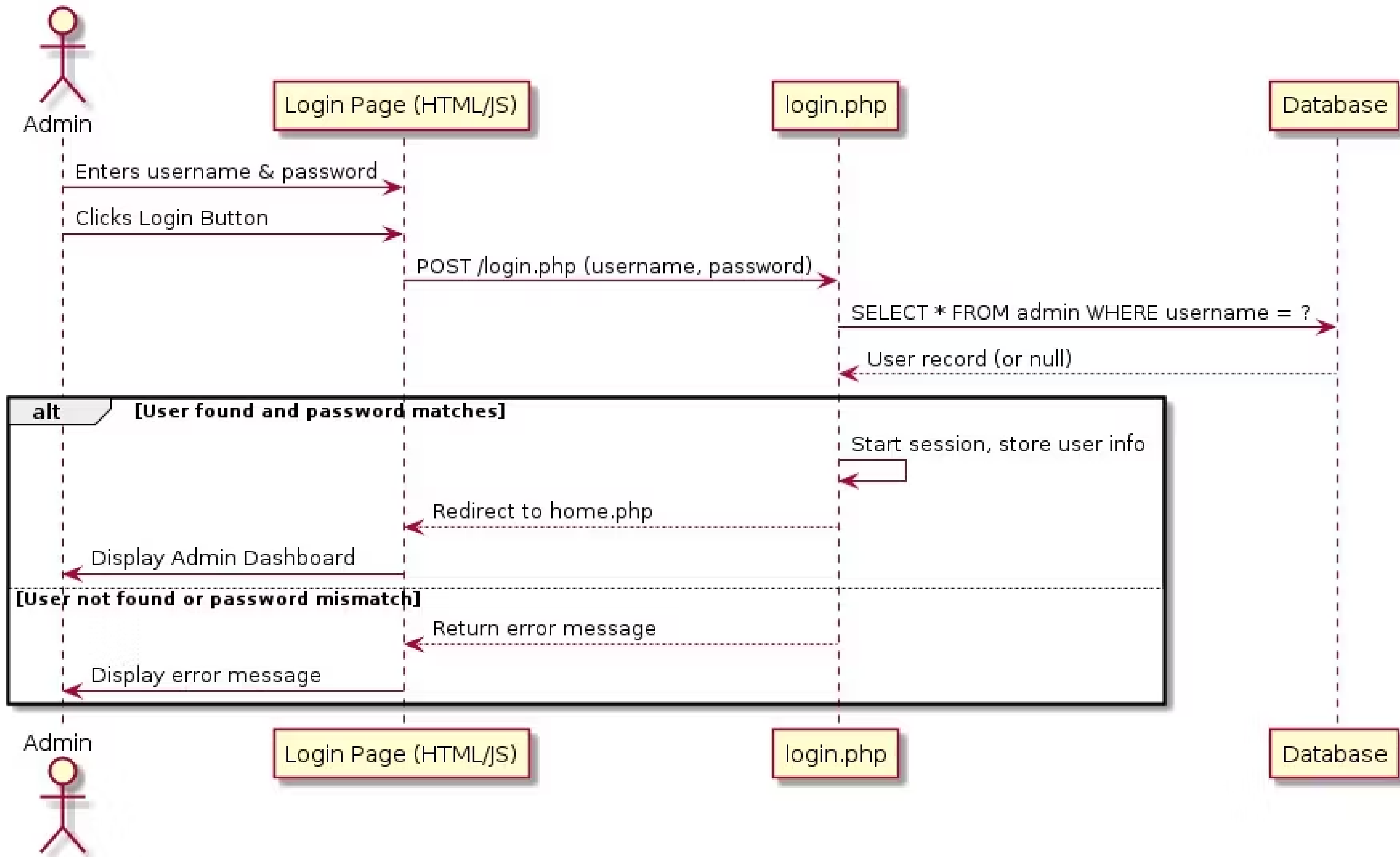


System Design

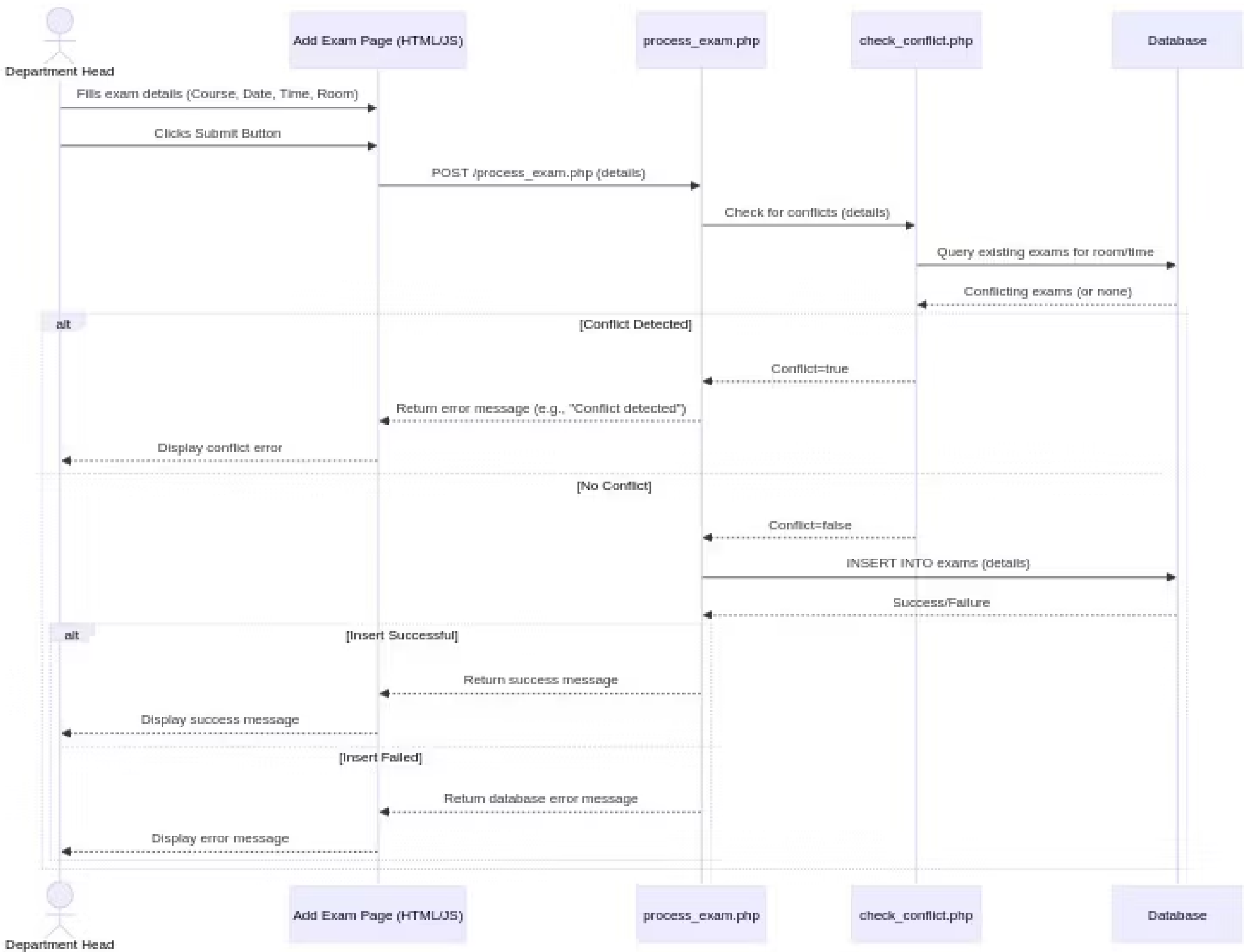
Class Diagram



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



Want to make a presentation like this one?

Start with a fully customizable template, create a beautiful deck in minutes, then easily share it with anyone.

Create a presentation (It's free)