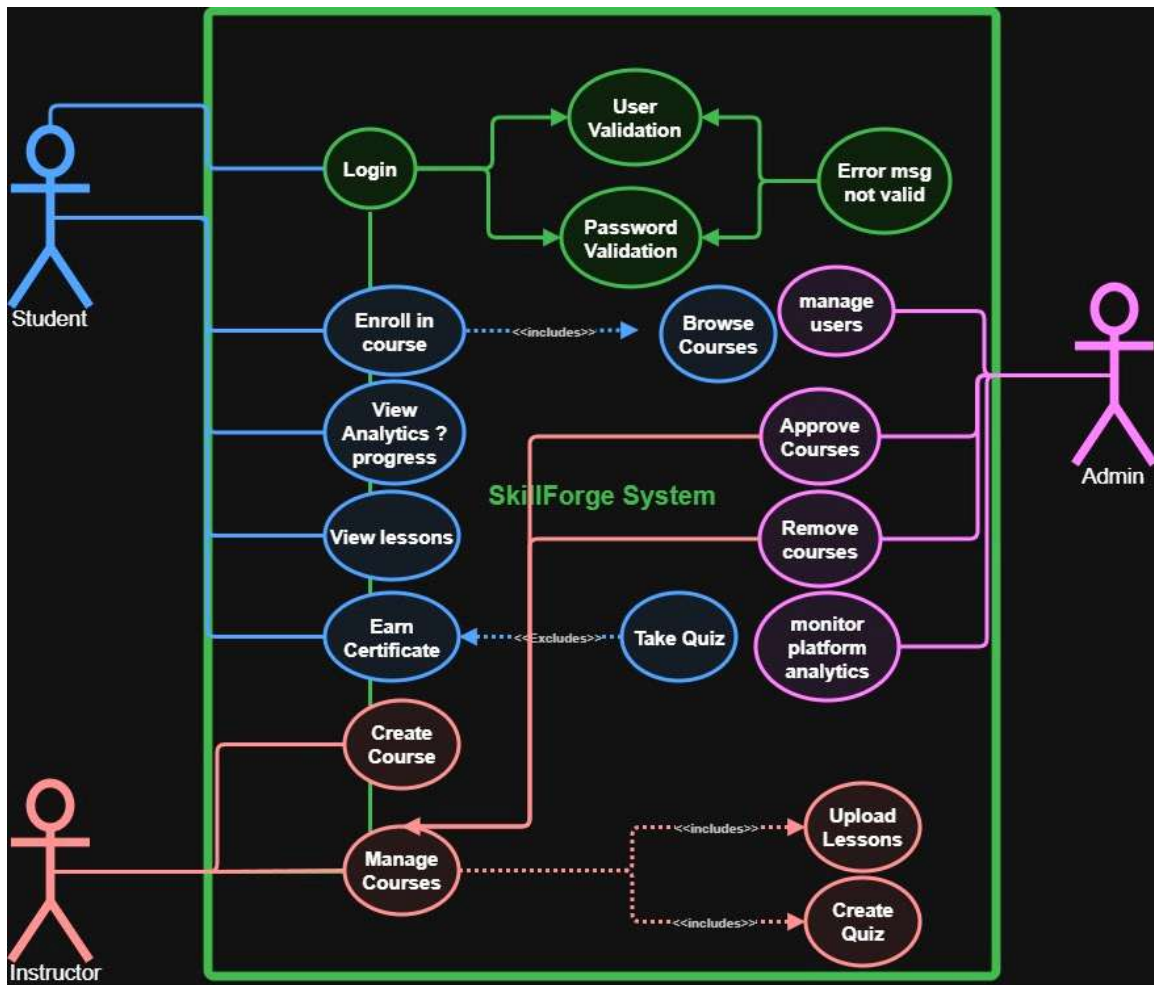
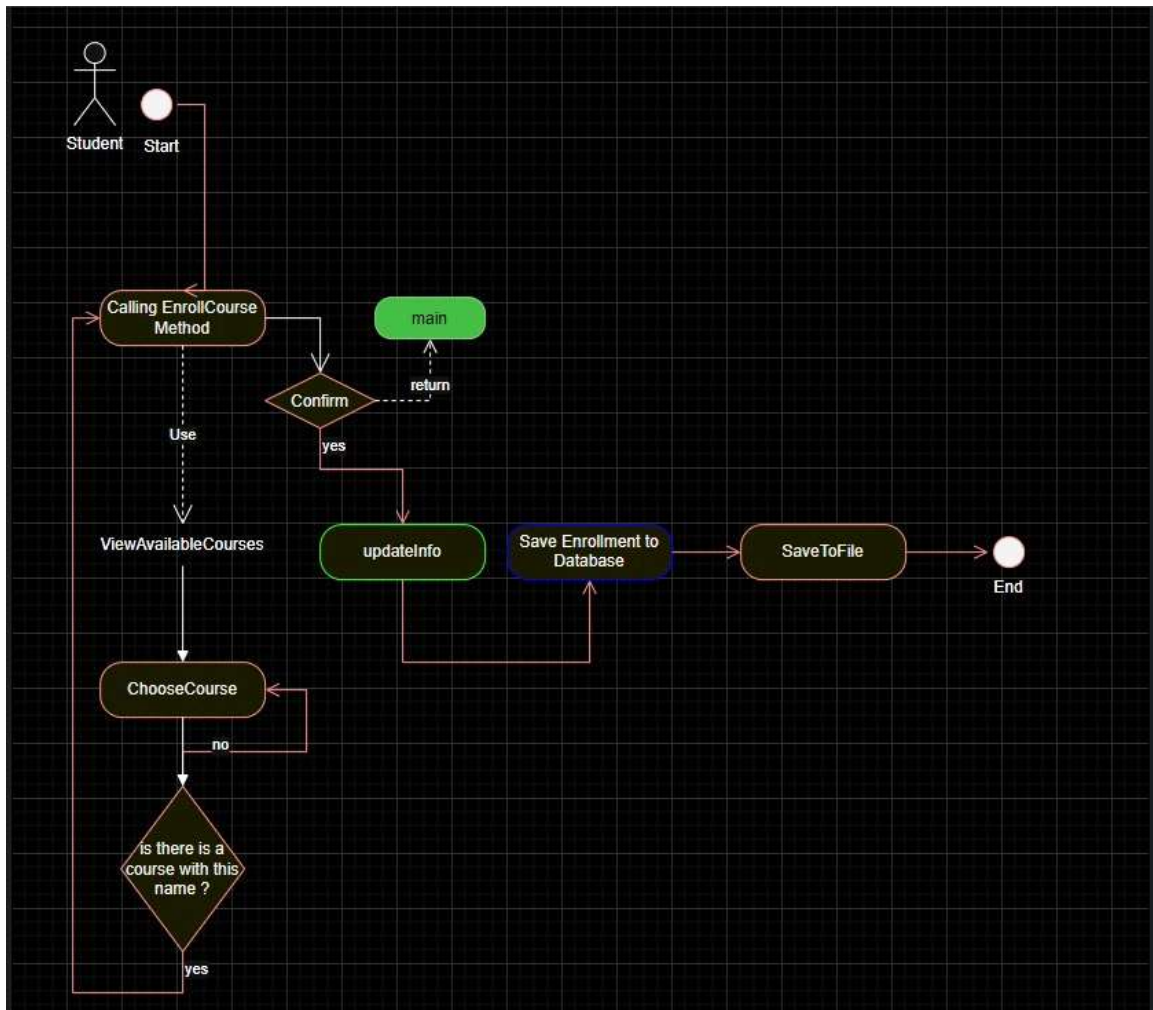


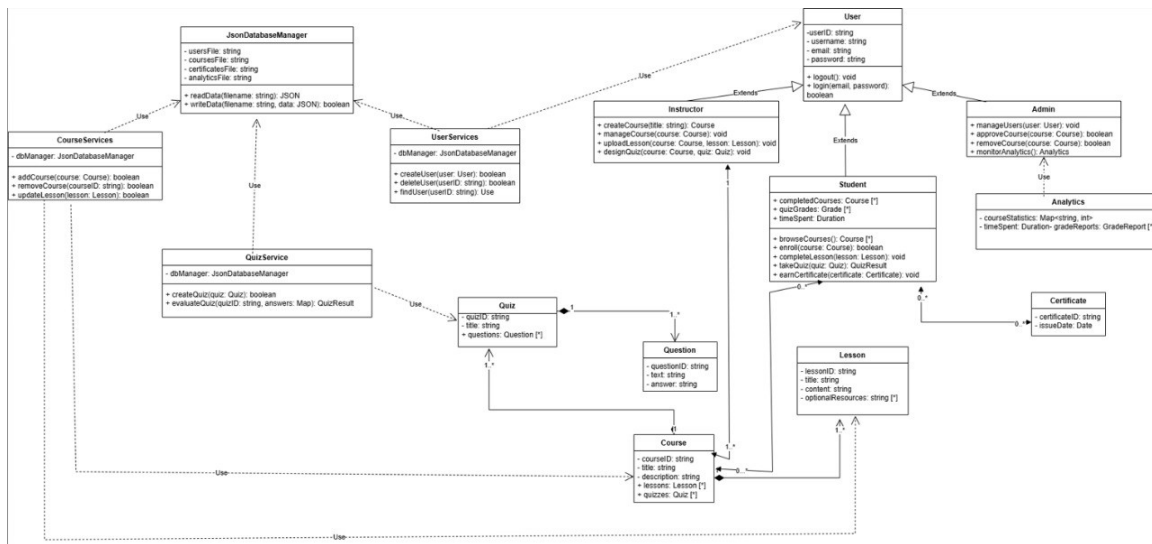
The sequence diagram illustrates the course enrollment process: The system first checks if the student is already enrolled and, if they are not, it records the new enrollment in the database and updates the analytics system before confirming success back to the user.



This diagram shows how different people interact with the SkillForge platform. Students can browse, enroll, and complete courses, while instructors create and manage content, and admins oversee everything. It gives a clear picture of how each role connects to the system and how their actions work together to keep SkillForge running smoothly.



This Activity Diagram shows the step-by-step workflow for the "Enroll in a Course" use case. It is crucial for understanding the sequence of actions and decisions for both the Student and the System from start to finish.



This Class Diagram is crucial as it serves as the blueprint for the system's codebase. It models the core domain concepts—Users, Courses, and their supporting data—defining how objects are structured and interact. This structural view is essential for guiding developers during the implementation phase to ensure a consistent and maintainable object-oriented architecture.