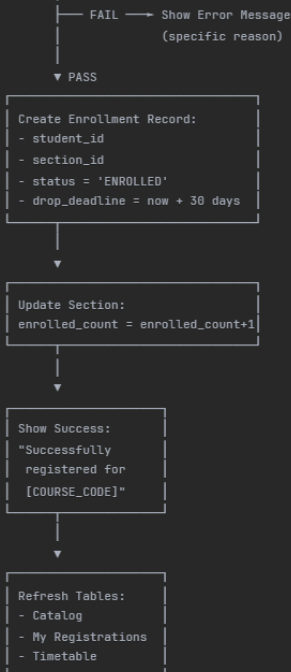
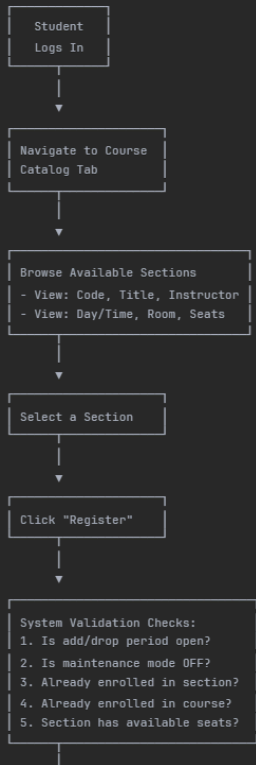
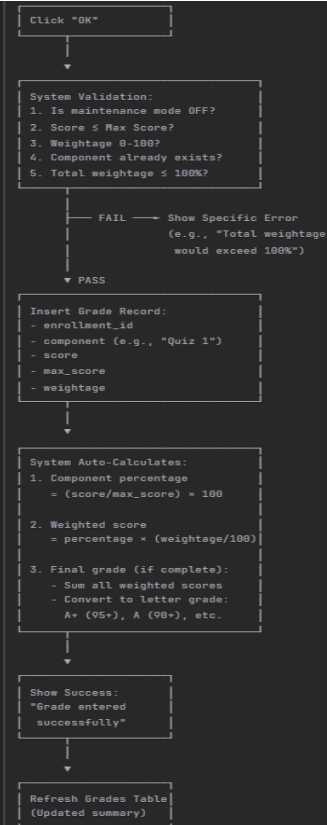
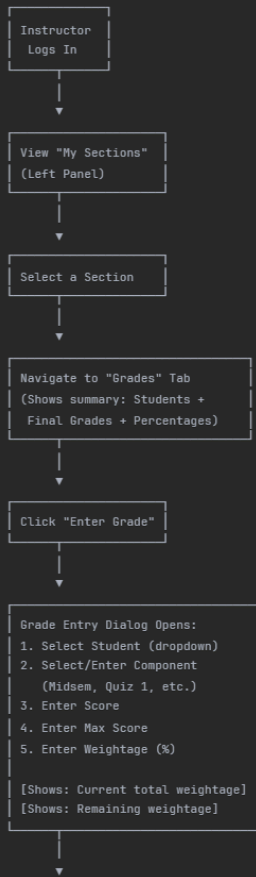


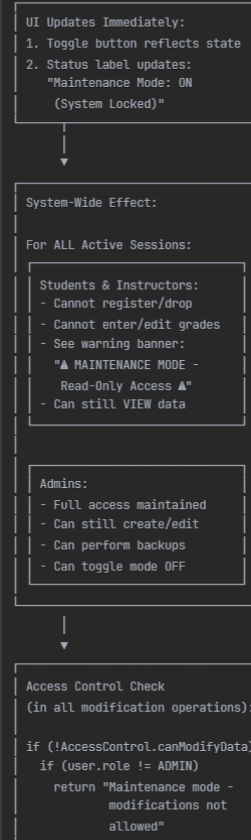
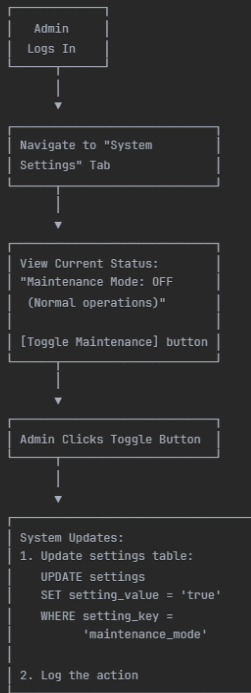
### Flow 1: Student Course Enrollment



## Flow 2: Instructor Grade Entry



### Flow 3: Admin Maintenance Mode Toggle



# Use-Case Lists by Role

## Student Use Cases

- **UC-S1:** Login to system
- **UC-S2:** Browse course catalog (view available sections)
- **UC-S3:** Register for course section
- **UC-S4:** Drop enrolled section (before deadline)
- **UC-S5:** View personal timetable
- **UC-S6:** View grades for enrolled courses
- **UC-S7:** View grade component details
- **UC-S8:** Calculate and view CGPA
- **UC-S9:** Export transcript (CSV/PDF)
- **UC-S10:** Change password

## Instructor Use Cases

- **UC-I1:** Login to system
- **UC-I2:** View assigned sections
- **UC-I3:** View enrolled students in section
- **UC-I4:** Enter grade for student (component-based)
- **UC-I5:** Update existing grade
- **UC-I6:** View class statistics (averages, grade distribution)
- **UC-I7:** Export gradesheet (CSV/PDF)
- **UC-I8:** Change password

## Admin Use Cases

- **UC-A1:** Login to system
- **UC-A2:** Create user account (Student/Instructor/Admin)
- **UC-A3:** Manage user status (Active/Inactive/Locked)
- **UC-A4:** Reset user password
- **UC-A5:** Create course
- **UC-A6:** Update course details
- **UC-A7:** Create section
- **UC-A8:** Update section details (assign instructor, change capacity)
- **UC-A9:** Delete section (if no enrollments)
- **UC-A10:** Toggle maintenance mode
- **UC-A11:** Toggle add/drop period
- **UC-A12:** Create database backup
- **UC-A13:** Restore from backup
- **UC-A14:** Delete backup file
- **UC-A15:** Change password

