TESTING SUMMARY

All test cases passed

- Login, student, instructor, and admin dashboards work perfectly.
- Passwords are safely stored in a hash
- No one can sign up for the same class twice or edit information they shouldn't.
- Admin can remove sections and courses according to their needs.
- When Maintenance mode is enabled, students and instructors can't edit any content.
- Access control is strict: users can only view and edit their own data or assigned sections.
- Performance acceptable: catalog with ~100 courses loads quickly, no crashes or hangs.
- Change Password implemented.
- After 5 incorrect attempts, the user is locked out for 30 seconds.
- A Notification Panel is created for students and instructors when important updates come.
- Set a deadline for a course registration
- Admin assigns an instructor to a particular section.
- Duplicate enrollments are fully blocked with a clear message.
- Students can download their grade transcripts
- Instructors can enter quiz/midterm/final grades -> auto-calculates final grade
- Instructors export full class grade statistics successfully
- Students & instructors see only their own dashboards and data

Conclusion: The system successfully passed all the tested scenarios. No critical or blocking issues found.