Final Assessment of System Quality

Project: Ezra Seminary

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Testing Tools: Cypress, Postman, Trello, Chrome DevTools

1. Objective

The purpose of this assessment is to evaluate the overall system quality of the Ezra Seminary E-learning Platform based on the results from manual, automation, and API testing.

2. Testing Scope

Testing included:
- End-to-end functionality (registration, login, course viewing, video streaming, quizzes, progress tracking, devotion access, sabbath school viewing)
- API endpoint validation (via Postman)
- Automated test execution (via Cypress)
- UI/UX evaluation across major browsers and devices

3. Summary of Testing Outcomes

Test Area	Description	Status	Remarks
Functional Testing	Checked all core user flows: login, register, enroll in course, view devotion, access sabbath school	☑ Passed	Minor delays in some submission responses
API Testing	Verified all endpoints for correctness, error handling, and performance	☑ Passed	API response times within acceptable range

Automation Testing	Created Cypress scripts for major workflows	✅ Passed	95% test pass rate
Cross-Browser Testing	Tested on Chrome, Firefox, Edge, Safari	✅ Passed	Mostly, similar UI alignment across browsers
Performance Testing	Tested page loading and responsiveness	✅ Passed	Average page load under 2.5s
User Experience	Checked navigation flow, readability, and responsiveness	✅ Positive	Overall smooth and user-friendly

4. Reliability & Performance Evaluation

- System Uptime: 99% during testing
- API Success Rate: 98% (minimal timeouts)
- Automation Stability: Consistent across runs
- Performance: Smooth across multiple sessions

5. User Experience Evaluation

- Design Consistency: Maintained across modules
- Responsiveness: Fully mobile-friendly
- Accessibility: Basic checks passed (contrast and font size)
- Overall User Satisfaction: High (based on manual observation)

6. Conclusion

The Ezra Seminary E-learning Platform is stable, reliable, and user-friendly. All major functionalities work as expected. Minor issues remain but do not affect core usability.

Recommendation: Ready for production with minor UI refinements.