



QUIZICALLY **REGRESSION TEST CASE**

Version 1.0
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VERSION HISTORY

Version #	Implemented By	Revision Date	Approved By	Approval Date	Reason
1.0	Rana Abdellatif	11/21/2025	Khadija	11/21/2025	PM Approval - Initial

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1 INTRODUCTION

1.1 PURPOSE OF THE TEST CASE DOCUMENT

The purpose of this Regression Test Case document is to verify that previously functioning features of the Quizically application continue to operate correctly after new updates, bug fixes, or feature enhancements. Regression testing ensures that new code changes do not introduce defects into existing functionality. This document is intended for the project manager, development team, QA testers, and any stakeholders who review system integrity after iterative changes.

2 TEST CASE SPECIFICATION

2.1 DESCRIPTION

This regression test validates critical end-to-end functionality across Quizically following recent updates to login validation, quiz session creation, scoring logic, and the leaderboard. The test involves re-executing previously passed functional test cases to confirm that:

- User login and authentication still work
- Hosts can still create quizzes
- Players can still join, attempt, and submit quizzes
- Scores are calculated correctly
- Leaderboard still updates and displays results
- UI flows remain consistent and intuitive

Relevant Requirements from the Traceability Matrix

- FS-001 - System shall enforce authentication
- UR-002 - System shall support secure social/email login
- BR-017 - UI should be simple, intuitive, and maintainable
- BR-015 - Host must be able to create trivia games
- FIR-001 - Host dashboard supports quiz creation and management
- FIR-002 - Player dashboard supports login, join, view score
- UR-001 - System stores and retrieves game history
- HR-004 - Players must see questions and leaderboard

2.2 RESOURCES

Role	Responsibility
Regression Tester	Executes regression suite and logs results
Developer	Fixes defects and validates retest

Backend Engineer	Monitors API and DB stability during regression
Project Lead	Approves final regression report

2.3 PRECONDITIONS

- System build deployed to staging environment
- All affected modules compiled successfully
- Test accounts (host and players) exist
- Database seeded with sample quizzes
- Mock services for AI question generation active (if needed)
- Stable network connection

2.4 POST CONDITIONS

- All regression test results recorded
- Any failures logged with defect ID
- System returned to stable idle state
- Updated regression suite archived for next sprint

2.5 FLOW OF EVENTS

Regression testing includes normal flows and alternate scenarios to confirm stability of all major features.

Regression Test RT - 01 | Login System Still Works After Update

Requirements: FS-001, UR-002, BR-017

Step	Action	Expected Result
1	Launch app	App opens with no errors
2	Navigate to login	Login screen loads with all fields visible
3	Enter valid email/password	Credentials accepted
4	Tap "login"	User is redirected to dashboard
5	Confirm session token stored	Authentication session active

Regression Test RT - 02 | Quiz Creation Still Functions

Requirements: BR-015, FIR-001

Step	Action	Expected Result
1	Log in as host	Host dashboard loads
2	Tap "create quiz"	Quiz creation form appears
3	Enter valid quiz title and questions	Field accepts entries with no errors
4	Tap "save quiz"	New quiz appears in host's quiz list
5	Confirm quiz stored in DB	DB write successful

Regression Test RT - 03 | Players Can Still Join and Attempt Quiz

Requirements: FIR-002, HR-004

Step	Action	Expected Result
1	Log in as a player	Player dashboard visible
2	Select available quiz	Quiz loads with questions displayed
3	Submit answers	Submission processed successfully
4	Score shows correctly	Player sees result screen

Regression Test RT - 04 | Leaderboard Still Updates After Submission

Requirements: UR-001, HR-004

Step	Action	Expected Result
1	Navigate to leaderboard	Leaderboard loads with no errors
2	Submit quiz as new player	System recalculates rankings
3	Refresh leaderboard	Newly submitted score appears in correct position

2.6 INCLUSION/EXCLUSION POINTS

N/A - This test case is standalone and does not include or depend on any other test cases.

2.7 SPECIAL REQUIREMENTS

- Access to staging server and cloud database
- Desktop and mobile test devices
- Updated regression suite in CI/CD pipeline
- Screenshot capture required for any failures

Appendix A: References

The following table summarizes the documents referenced in this document.

Document Name and Version	Description	Location
Quizically Requirements Definition v1.0	Defines functional requirements for quiz access and scoring	Requirements Document
Quizically Requirements Traceability Matrix v1.0	Requirement IDs for mapping	Traceability Matrix

Appendix B: Key Terms

[Insert terms and definitions used in this document. Add rows to the table as necessary. Follow the link below to for definitions of project management terms and acronyms used in this and other documents.]

<http://www2.cdc.gov/cdcup/library/other/help.htm>

The following table provides definitions for terms relevant to this document.

Term	Definition
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>
<i>[Insert Term]</i>	<i>[Provide definition of the term used in this document.]</i>