

Fixing Bugs & Collaborating with QA Teams

Part 1: Office Roleplay Dialogue

Scenario: A Software Developer, Haruto, is working with his colleague, Sofia, to fix bugs reported by the **QA (Quality Assurance)** team.

Sofia: Hey Haruto, the **QA** team sent us a report with a few high-priority **bugs** from the latest release.

Haruto: I saw that. I already started investigating the login issue. It looks like there's a problem with the **error handling** when incorrect credentials are entered.

Sofia: That makes sense. Did you try reproducing the issue during **testing**?

Haruto: Yes, and I confirmed that the system doesn't display the correct error message. Instead, it crashes.

Sofia: That sounds like a critical bug. What's your plan to fix it?

Haruto: I'm working on a **patch** to improve the **error handling**. The system should show a clear message when login fails instead of shutting down.

Sofia: That's a good approach. Once you finish, let's send it back to **QA** for another round of **testing** before we push it live.

Haruto: Agreed. I'll apply the **patch** and test it a few more times on my end before submitting it.

Sofia: Sounds like a plan. Let's make sure this release is as stable as possible!

Part 2: Comprehension Questions

1. What issue did Haruto identify in the system?

- (A) The login feature was missing
- (B) The system crashed instead of displaying an error message
- (C) The website loaded too slowly
- (D) The password reset function was removed

2. What role does the QA team play in software development?

- (A) They write new software features
- (B) They design the user interface
- (C) They test the software to find bugs and ensure quality
- (D) They manage customer support inquiries

3. Why is error handling important in software development?

- (A) It speeds up the processing power of the computer
- (B) It removes unnecessary features from the application
- (C) It ensures that software updates are free of charge
- (D) It helps the system display meaningful messages when something goes wrong

4. What is a patch used for?

- (A) To add new users to the system
 - (B) To fix bugs and improve software functionality
 - (C) To encrypt all passwords in a database
 - (D) To create backup copies of system files
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Part 3: Key Vocabulary Definitions in Japanese

1. **Bug (バグ)** – ソフトウェアの不具合やエラー。
 2. **QA (Quality Assurance) (品質保証)** – ソフトウェアの品質を確認し、バグを発見するプロセス。
 3. **Testing (テスト)** – システムが正常に動作するかを確認する作業。
 4. **Error Handling (エラーハンドリング)** – プログラムがエラーを適切に処理し、正しい動作を維持する仕組み。
 5. **Patch (パッチ)** – バグ修正や機能改善のために適用されるソフトウェアのアップデート。
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Part 4: Questions & Correct Answers

1. **What issue did Haruto identify in the system?**
☒ (B) The system crashed instead of displaying an error message
2. **What role does the QA team play in software development?**
☒ (C) They test the software to find bugs and ensure quality
3. **Why is error handling important in software development?**
☒ (D) It helps the system display meaningful messages when something goes wrong

4. What is a patch used for?



(A) To fix bugs and improve software functionality