Accessibility:
Data Privacy & Cybersecurity Awareness
for Remote Workers

Microlearning Course
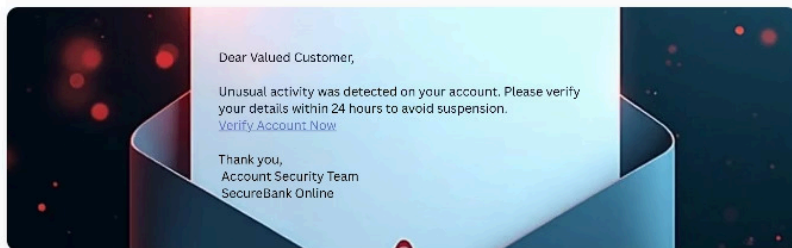
WCAG 2.2 Principles

Suspicious Email Received

⚠ Security Decision Required

Dear Valued Customer,

Unusual activity was detected on your account. Please verify your details within 24 hours to avoid suspension.
Verify Account Now

Thank you,
Account Security Team
SecureBank Online

You receive an urgent email claiming to be from your bank asking you to verify your account immediately. The email contains a link and threatens account closure.

Clyde's Guidance
This email looks suspicious. The urgency and request to click a link are potential warning signs. How would you respond?

What would you do?

Click the link to verify my account quickly

Report this email to IT security and delete it

Ignore the email and continue working

High text-background contrast
White on dark

Consistent contrast across slides
Uniform styling throughout

Sufficient Contrast

WCAG 1.4.3 compliance
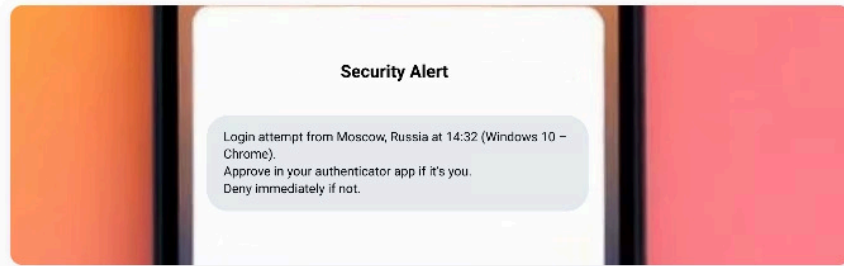Meets accessibility standards

Supports low vision users
Enhances legibility for users

Improves readability
Easier to read in varied lighting

⊘ **Sufficient Contrast (WCAG 1.4.3)**

The color contrast between the text and the background is high throughout the slide (e.g., white text on a dark blue/gray background and black text on a white background). This is excellent for users with low vision and for readability in different lighting conditions.

Two-Factor Authentication Alert

⚠ Security Decision Required

Security Alert

Login attempt from Moscow, Russia at 14:32 (Windows 10 – Chrome).
Approve in your authenticator app if it's you.
Deny immediately if not.

You receive a 2FA notification on your phone for a login attempt from an unknown location while you're working from home. The location shows as "Moscow, Russia."

Clyde's Guidance
A login attempt from an unfamiliar location could indicate unauthorized access. Although Moscow is beautiful, how will you respond?

What would you do?

Approve the login - it might be a VPN or system update

Deny the request and immediately notify IT security

Ignore the notification and continue working

Clear Headings
Used distinct, descriptive headings for structure.

Descriptive Labels
Labeled sections like "Security Alert" clearly.

Assistive Navigation
Helped screen reader users navigate content.

Quick Understanding
Enabled all users to grasp section purpose fast.

⊘ **Clear Headings and Labels (WCAG 2.4.6)**

The use of distinct, descriptive headings like "Security Alert" and "What would you do?" provides a clear structure. This helps screen reader users navigate the content and allows all users to quickly understand the purpose of each section.

Urgent File Request

⚠ Security Decision Required

> Hey, what's going on? ✓
>
> I'm in a meeting with the CEO, we urgently need the client's full data file.
> Can you share it now?
>
> Just send it via this link so we can access it quickly:
>
> https://fileshare-now.com/clientdata

A colleague messages you requesting immediate access to confidential client data for an "urgent meeting with the CEO." They ask you to share it via a public file-sharing link.

Clyde's Guidance
Requests for confidential data, especially through unsecured channels, should always be verified. What's your next step?

What would you do?

Send the file via public sharing link immediately

Call the colleague to verify the request and use secure sharing methods

Refuse to share the file without checking

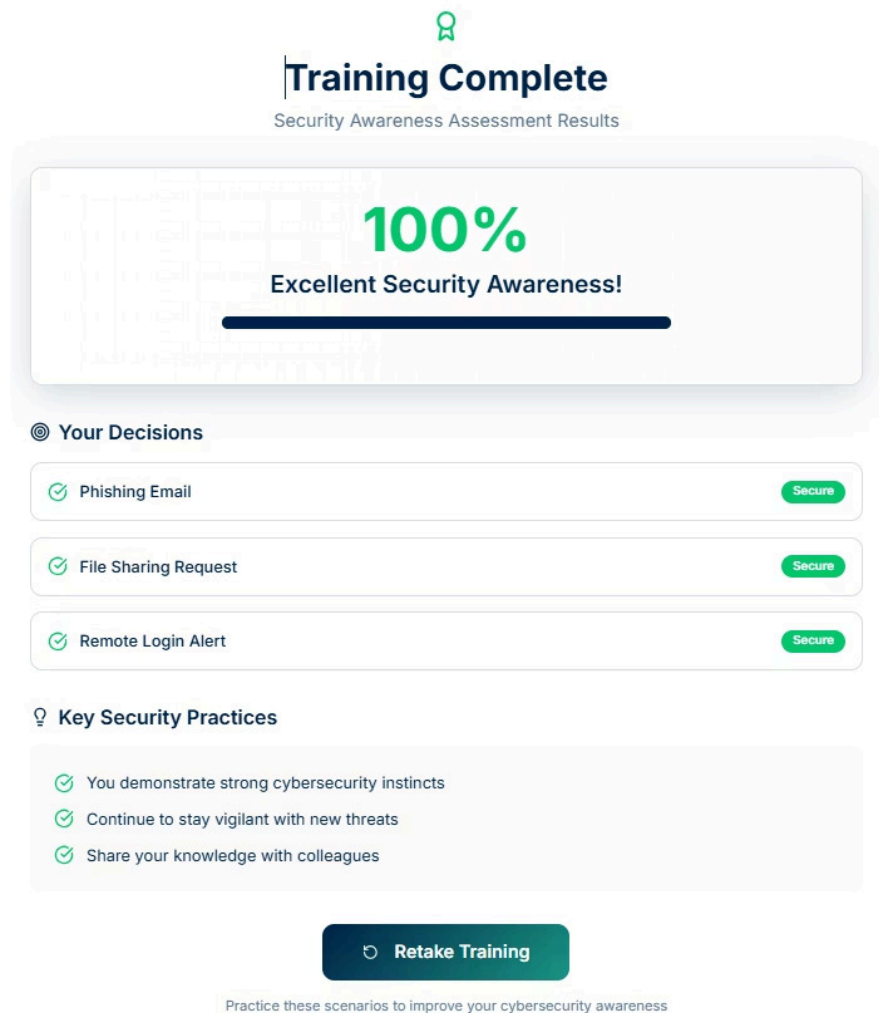
Title

Scenario

Guidance

Interaction

⊘ **Logical Flow (WCAG 1.3.2)**

The content is arranged in a logical reading order, from the title, to the scenario description, to the guidance, and finally to the interactive options. This is crucial for users of assistive technologies and provides a good user experience for everyone.

Training Complete

Security Awareness Assessment Results

100%

Excellent Security Awareness!

◎ Your Decisions

⊘ Phishing Email	Secure

⊘ File Sharing Request	Secure

⊘ Remote Login Alert	Secure

♀ Key Security Practices

- ⊘ You demonstrate strong cybersecurity instincts
- ⊘ Continue to stay vigilant with new threats
- ⊘ Share your knowledge with colleagues

↺ Retake Training

Practice these scenarios to improve your cybersecurity awareness

Clear wording

Used simple, direct language for instructions

Unambiguous choices

Presented options that are precise and distinct

66

Accessible structure

Organized content with headings and short paragraphs

Inclusive tone

Written for diverse readers and cognitive needs

⊘ Plain Language (WCAG 3.1.5)

The text is simple and easy to understand. The scenario and choices are worded in a direct and unambiguous way, which benefits users with cognitive disabilities and those who are not native speakers.

Two-Factor Authentication Alert

⚠️ Security Decision Required

Security Alert

Login attempt from Moscow, Russia at 14:32 (Windows 10 – Chrome).
Approve in your authenticator app if it's you.
Deny immediately if not.

You receive a 2FA notification on your phone for a login attempt from an unknown location while you're working from home. The location shows as "Moscow, Russia."

✓ **Correct Response: Threat Neutralized!**

Denying suspicious login attempts and reporting them immediately helps prevent account takeovers and alerts security teams to potential threats.

Clyde's Feedback

Correct. Denying the request helps secure your account from unauthorized entry.

See Results

Clear Options

Not Color-Only

WCAG 1.4.1

Text Labels Present

Alternative Cues
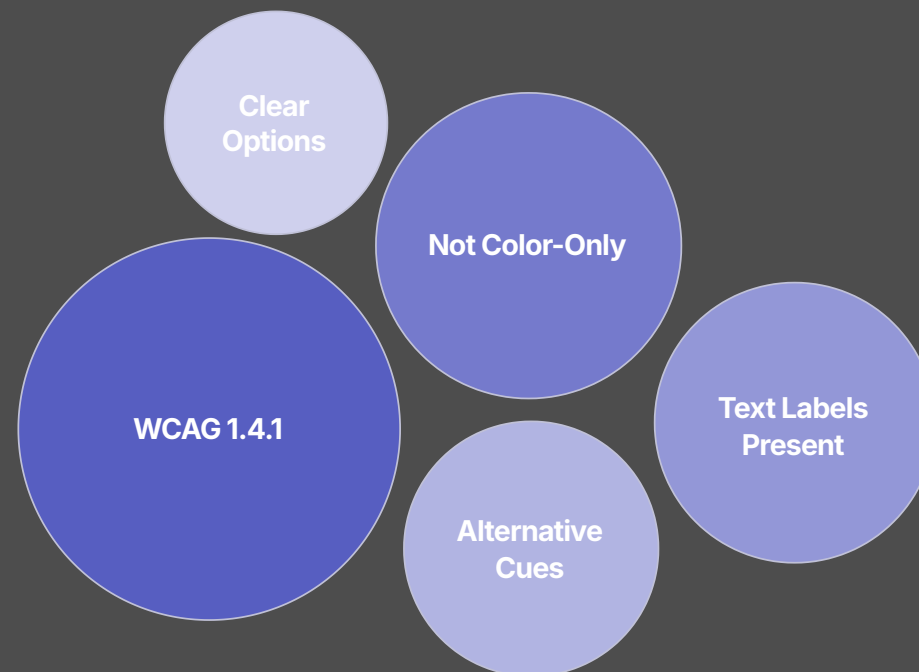
⊘ **No Reliance on Color Alone (WCAG 1.4.1)**

While the slide uses a color scheme, no information is conveyed *solely* by color. The main text and options do not depend on color cues to be understood.

Checked and fixed with WCAG 2.2. AI accessibility checker

- **Focus Visible (WCAG 2.4.7)**: A critical aspect of keyboard navigation is a clear focus indicator. When a user tabs to one of the three options, there should be a visible outline or change in the button to show which one is currently selected. The absence of a visible focus state would be a major accessibility barrier.
- **Semantic Structure (WCAG 1.3.1)**: The headings and subheadings should not just be visually distinct; they must be correctly marked up using HTML heading tags (<h1>, <h2>, etc.) in the correct order. The same applies to the interactive options, which should be semantically marked up as buttons or a set of radio buttons for screen readers to interpret them correctly.

Checked Manually

- **Keyboard Accessibility (WCAG 2.1.1)**: A live application must ensure that users can navigate to and activate all interactive elements without a mouse.

To be checked with a screen reader once available

- **Non-text Content (WCAG 1.1.1)**: The slide contains a graphical image of an email within an envelope. For a screen reader user, this image must contain a descriptive text alternative that conveys its purpose, such as "A visual representation of a suspicious email alert."