GLOBALIZATION

&

LOCALIZATION

TESTING

WHAT TO EXPECT

Globalization & Localization Testing Overview

- Globalization and Localization Testing are essential aspects of software testing.

- Globalization testing ensures that software can function properly in different locales, cultures, and languages.

- Localization testing focuses on verifying that the software is adapted and translated accurately for specific target markets.
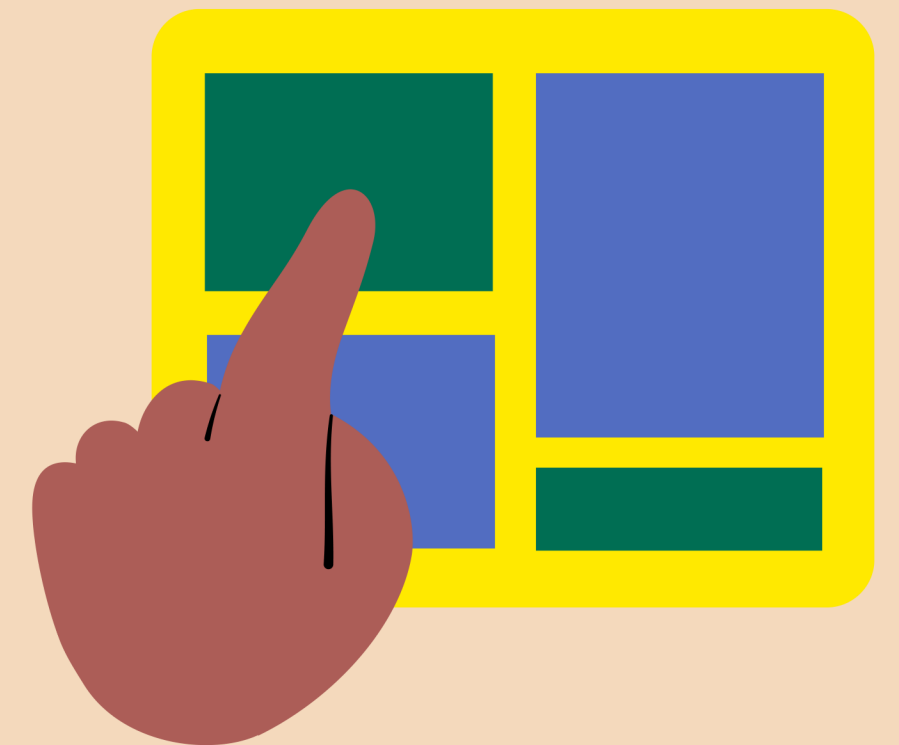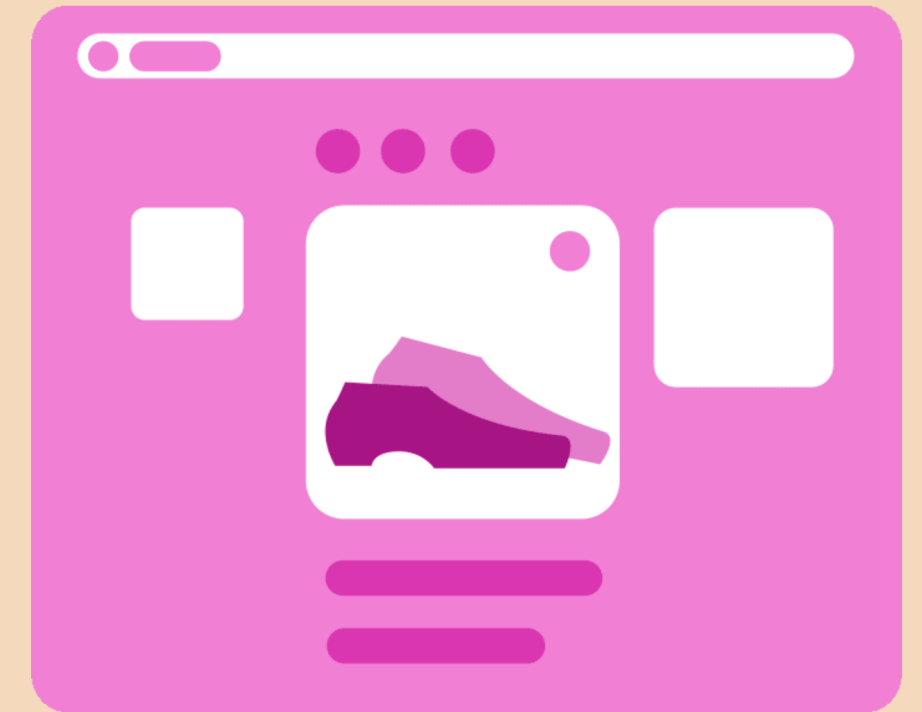
Globalization Testing 🌐

- Language Support:
  - Verify that the software can handle multiple languages and character sets.
  - Test input, output, and display of different languages without any errors or inconsistencies.
- Date and Time Formats:
  - Test the software's ability to handle different date and time formats used worldwide.
  - Validate that the software correctly interprets and displays dates and times based on the user's locale.

Localization Testing

- Language Translation:
  - Verify the accuracy and quality of translated content.
  - Test all user-visible text, including menus, error messages, and help documentation, to ensure proper localization.
- Cultural Adaptation:
  - Test the software's compatibility with different cultural norms and practices.
  - Check for appropriate handling of currency symbols, number formats, and address formats.

UI and Layout Testing

- Text Expansion and Contraction:

  - Test how the user interface handles varying lengths of translated text.

  - Ensure that the UI elements dynamically adjust to accommodate longer or shorter text strings.

- Bi-directional (BiDi) Support:

  - Verify the software's ability to handle languages that are written from right to left (e.g., Arabic, Hebrew).

  - Test UI alignment, text rendering, and navigation in a bi-directional context.

Testing Environment

- Locale and Regional Settings:

    ◦ Test the software in different regional settings to simulate user environments.

    ◦ Verify that the software accurately adapts to different date formats, currency symbols, and measurement units.

- Internationalization Compliance:

    ◦ Ensure the software complies with international standards and guidelines for globalization.

    ◦ Validate adherence to standards like Unicode, international date/time formats, and character encoding.

See you in Next Video