

Creating Innovative Solutions

ATM Software Testing

Case Study



The Company

The company is a global Leader in providing integrated technology solutions that enables customers to maximize their self-service and security capabilities. They are a leading global supplier of ATMs, and holds the leading market position in many countries around the world offering an integrated line of self-service banking solutions and ATMs.

Challenge

- Huge volume of source code
- Non availability of documentation
- Several object files instead of actual source code (Not able to view or debug the code)
- Older version of Lab Windows which is technically limited.
- Clarification delay due to time zone difference
- Ensuring that new modifications are not affecting existing functionalities.

NeST QA Engineers deployed for the assignment were having good testing, developing and debugging skills over Microsoft Visual Studio Platform which helped a lot to balance the demands. One module which found technically difficult in CVI was developed using Visual C++ and controlled from Test Specification Interface.

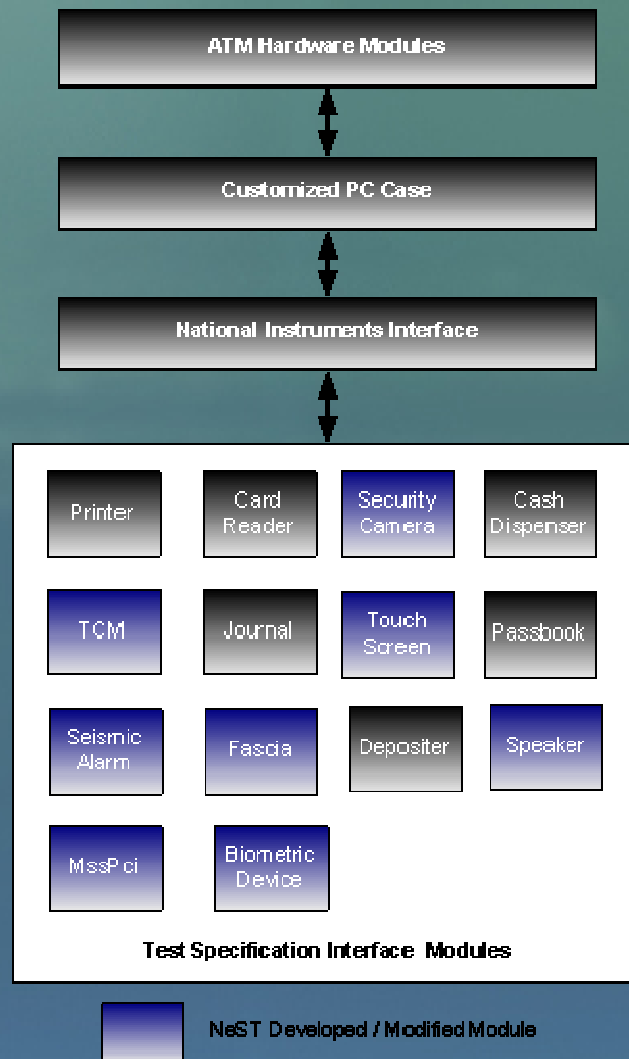
Solution

NeST engineers worked with two product versions. Modules worked are listed below.

- Security Camera
- TCM
- Touch screen
- Seismic alarm
- Fascia
- Speaker
- MssPci
- Biometric Device

After completing the development for each module it was tested by NeST engineers in the ATM system. Defects found were fixed and re-tested to closure. Then deliverables of the same module are uploaded to Client's safe transfer site. When all the modules are released it was merged to single source code and released as single project for the particular model of ATM.

The Architecture



Benefits

- NeST' flexible test methodology ensured a high level of overall quality and reliability across a very complex test.
- The client cost-effectively leveraged NeST' extensive experience to perform the tests.
- NeST Engineers were able to complete the extensive assignment before time there by providing schedule benefits also for the client.