PSD2 Test Automation
Challenger Bank in UK

MAVERIC

95%

of the automatable test pack automated and executed across different customer types and accounts

- Cost reduction from the overall budget because of the single and common framework

- Zero defect leakage to production

Challenge

- Build an API management capability to integrate core banking systems and make them PSD2 compliant.
- Development of an API gateway layer to let third party providers gain safe and secure access to customer data
- Integration of the existing core banking and surround applications into a unified customer experience;
- A seamless assimilation with the existing infrastructure like IIB, T24 and ORDS etc.

Solution

- Single automation framework for all application platforms in the multi-tier architecture of the bank
- A brand new automation library was designed using open source public APIs
- Design of a test reporting library to enable the creation of customised reports based on business need
- API delivery through agile and BDD design approach
- Implementation of Multilayer architecture change across Digital front end, Middle ware (Business Logic layer) and Core Banking Database layer

Results

- Easy Reusability across channels without the need of multiple automation teams
- Contextual framework that is aligned with Bank's Agile and BDD delivery
- Automated compatibility tests facilitated quicker turnaround
- Building Test Management library and integrating with the framework reduced manual efforts