SOLUTION SPOTLIGHT

DYNAMIC DATA

Data is rarely static. Instead, it is dynamic, rapidly moving between various systems and platforms. Online bill pay, transferring money among bank accounts, buying and selling mutual fund shares or stocks - each is a dynamic situation where changing values, amounts, and balances among multiple entities must be carefully tested. Testing business logic, decision trees, and transactional use cases among such platforms for a seamless and error-free end user experience is vital to any industry segment, but especially critical in regulated industries like financial service and healthcare.

Testers need to simulate the dynamic environments in which their platforms will be used, but the current industry standard of copying and masking production test data lacks the flexibility they need. A copied version of production data is static. Because its values are fixed, the data is not useful for validating the results of fluid transaction workflows during automated testing. The same is true for data that is synthesized from a production data source. They are just static copies of data taken at a given point in time.
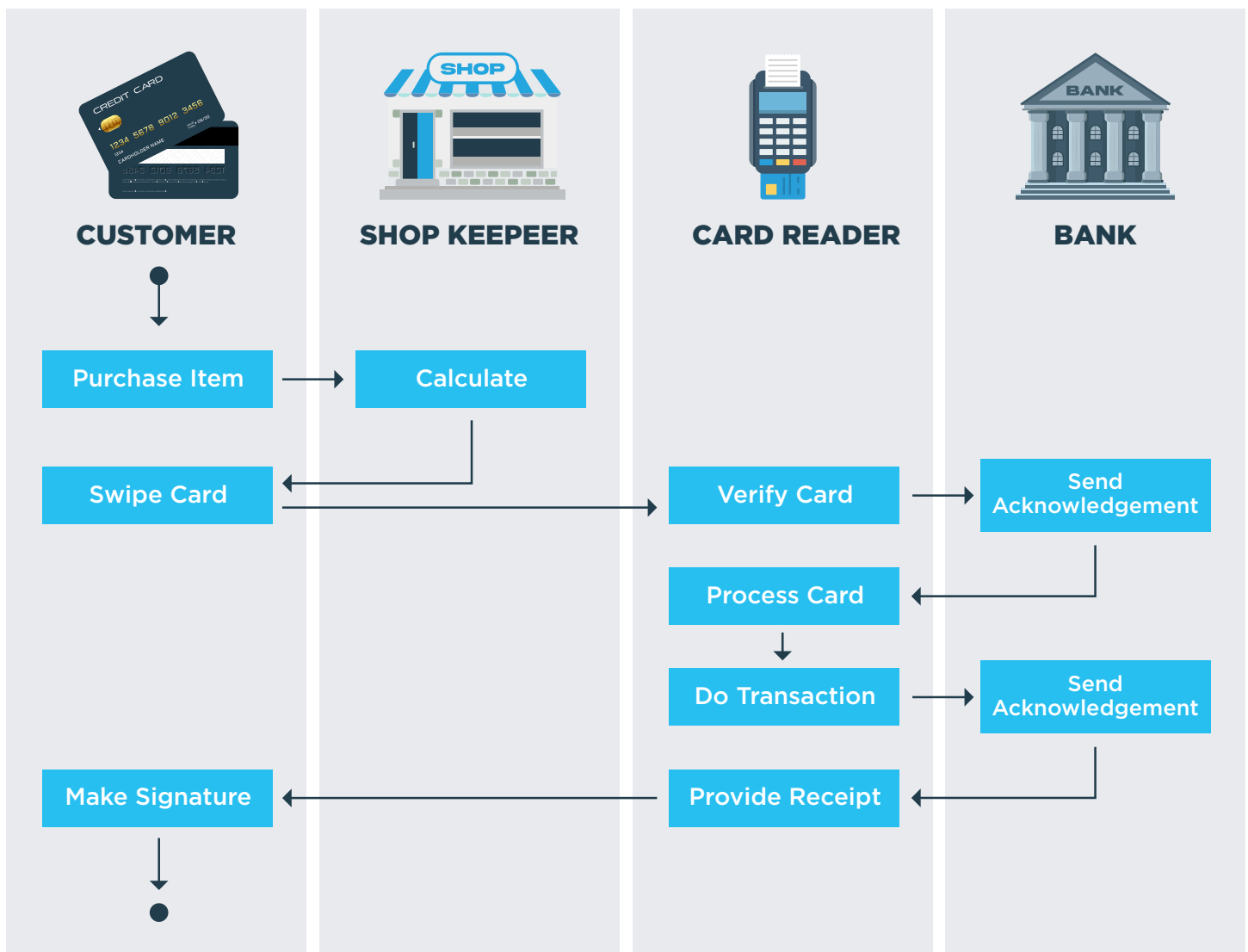
GenRocket's enterprise Synthetic Self-Service Test Data Solution solves multiple problems testers face when developing test data for dynamic systems. With GenRocket's system, you can generate test data that is dynamically controlled by pre-determined rules to test multiple decision points and logic sequences. Our intelligent data generators create synthetic data on-the-fly based on input values and calculated results.

For example, if a credit card application is programmed to deny transactions when the credit balance exceeds a given value for a given type of card, GenRocket can generate those boundary values and the follow-on data needed to validate the results. With GenRocket, you control the dynamic data generated for testing transaction workflows with the volume, variety, and format of test data that is needed.

Perhaps most importantly, GenRocket's system has a programmable API that can orchestrate and execute a collection of test data cases to dynamically handle complex synthetic test data use cases in real time. This creates a test environment that more closely simulates real-world conditions so you can test every possible logic sequence fully and with confidence.

Credit Card Dynamic Transaction Workflow

GenRocket: Synthetic Self-Service Test Data Solution

GenRocket's synthetic self-service test data solution for dynamic data testing is both adaptable and efficient at producing the volume and variety of synthetic form data needed for testing.

- ✔ Easily generates thousands of unique data sets meeting your test specifications
- ✔ Lightning-fast data generation compared to manual production data masking
- ✔ Adapts and responds dynamically to the test case, producing dynamic data that responds in real time
- ✔ 100% secure – no personally identifiable information is ever used

We can produce the **data volume, data variety,** and **data format** that you need, in a fraction of the time it takes to manually create test data or provision masked production data.

A great choice for industries with strict standards of privacy, compliance, and accuracy.

Financial Services

Healthcare

Banking

Pharmaceuticals

Insurance

Testing Line of Credit Increase

A global financial institution wished to create a new interactive system to encourage a consumer to request an increase in their line of credit. After logging into the system, the system retrieved their current credit score from an independent platform, compared it to the consumer's current card balance and payment history, and calculated what, if any, line increase might be available to them. Such testing required dynamic data to test multiple platforms and data exchanges, some of which could change in real-time and to which the system needed to respond. With GenRocket's enterprise Synthetic Test Data, the testing group who was able to test in real time with dynamically produced data.

Read an Example

Ready to get started? Learn more about GenRocket's Synthetic Test Data Automation enterprise solution.

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