



Great software teams. On demand.

Ensure logical flow across business layers with

# API testing services

Simform brings top-notch QA acumen, years of experience, and untiring commitment to your business goals for effective API testing while enabling you to efficiently **validate core functionalities of your apps.**



# Why API testing

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Technology Agnostic



Improved protection from threats



Takes less time



It's cost-effective



You can choose any language



Better test coverage

# How we conduct API testing for your specific needs

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We factor in your risks, capabilities, business ecosystem, and other variables to deliver the perfect solution for your needs.

Here's how we'll approach your case:

## 1. API specification review

We develop a better understanding of how you plan on using the API and create use case documentation for testing around your needs.

## 2. Requirement assessment

We then determine which tools best fit your needs. Our team of QA experts are proficient in REST as well as SOAP protocols, and go with what best suits your case.

### 3. Test document development

We document each test along with its conditions and the expected output.

### 4. Test framework development

We either use an open source tool or develop static resources for test framework development.

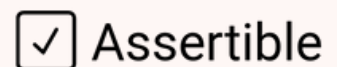
### 5. Test case development

We then code test scenarios and also ensure the compatibility of test scripts with the existing scripts.

### 6. Test execution and reporting

We then run the developed test and document a detailed report of results for easier analysis of the data.

## API testing tools we use



# API testing types we can help you with

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## Functional testing

Verify if the app works exactly the way it is supposed to do. Functional testing is where you start validation logic between business layers.



## Load testing

See if your application would be able to perform satisfactorily amidst high volume traffic. You'll also get a fair idea if you should scale.



## Security testing

Keep the app safe from evolving cyber threats with security testing. Check if features like authentication, permissions, and access controls are working properly.



## Web UI testing

Delivering engaging experiences to end-users is the key to success. Test the graphical user interface to ensure that performance meets the expectations.



## Automated API testing

Leverage the countless benefits of automated API testing and expedite releases, save time, optimize resources, and so on.



## Reliability testing

To reach the top, your app needs to deliver top-notch performance consistently. Reliability testing helps verify if your API can keep rendering results without interruption.



## Negative testing

Make sure nothing goes haywire with the APIs if one of the users enters incorrect input. Negative testing is the best way to prevent incorrect inputs from being the spoiler.



## Validation testing

Use a series of smaller tests like unit, integration, system, and UAT to make sure your API connections are all working properly.

• **Trusted by** Fortune 500 companies •



# Key Deliverables

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✓ **Comprehensive assessment of API testing requirements**

✓ **Detailed test plan with scope of testing for the sprint**

✓ **Test case document with test case designs**

✓ **Test case execution with automation, wherever necessary**

✓ **Creation of regression test suites**

✓ **Detailed report covering KPIs**

✓ **Detailed test summary report**

# You are in good hands

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- Delivery mindset and untiring commitment to your goals
- Inherently agile so you can pivot strategies at will
- Transparent culture to keep you abreast of all developments
- Subject matter experts to give you the upper hand
- Best coding practices and comprehensive reviews for unmatched quality
- We are always on time and thrive on aggressive deadlines
- Your business goals are metrics of our success
- Big enough to scale, small enough to care

# Transform your business with Simform!

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Take your API testing to the next level and enjoy business success.

**Schedule a 30 minute,  
no-cost consulting call now!**



Great software teams. On demand.

Call: (321) 237-2727

Email: [hello@simform.com](mailto:hello@simform.com)

[www.simform.com](http://www.simform.com)