



Congratulations on making it to the testing portion of our application process. This document will outline a series of tasks for you to complete. These tasks will serve to give you a deeper understanding of the technologies that you will be working with at Gigya, and they will also help us to assess your current skill level. Each assignment has a list of deliverables for you to send to your contact at Gigya, and don't hesitate to reach out with any questions you may have along the way (we often learn as much from questions as we do from answers). If you're ready to begin, please continue to Assignment 1.

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## Assignment 1: Client-Side Issues

Most Gigya implementations use our Javascript SDK to make API calls from the browser. In the event of an issue, we use tools like [Charles](#) and [Fiddler](#) to examine the network traffic and determine the cause of the error. In addition to helping diagnose the issue, network captures are also very important if we need to escalate a case.

Your assignment is to perform a network capture of [this assignment page](#) and provide an analysis. You won't have access to actually solve the problem, but you should be able to find an appropriate error message in the network traffic (note: Gigya API calls will be sent to a \*.gigya.com domain). This is a common practice in our case flow: we discover an error and pass that information back to the client so their developers can look into it.

### Resources

- [Charles](#)
- [Fiddler](#)
- [Page for this assignment](#)

### Deliverables

1. A network capture in .har format.
2. A description of what you believe the error is and a recommendation of what the developers should look into.

## Assignment 2: How-To Questions

One of our most common plugins is our Share UI, which allows the user to post content to various social networks. Although we maintain extensive documentation, we often get how-to questions from our clients and need to point them in the right direction. For this assignment, assume that we have a client who has implemented this feature and wants to know how to limit the social networks that the user can post to.

### Resources

- [Gigya Documentation](#)
- [Client Implementation](#)

### Deliverables

1. Response to the client that provides appropriate documentation and an explanation of how to achieve what they want.

### Assignment 3: Inspecting Client Pages

Our clients will generally just send us the url for a page that they're having trouble with, but we need more specific information in order to look into the issue on our side. Fortunately, most of this information is available on their page anyway. For this assignment, you'll be looking at a client's site and finding the Gigya API Key that they're using.

#### Resources

- [Client Site](#)
- [Gigya Basic Tutorial](#) - This will help you understand where to find an API Key

#### Deliverables

1. The Gigya API Key in use on the client site

## Assignment 4: Real-World Issues

Now that you've had some introduction to Gigya and basic troubleshooting techniques, it's time to try modifying actual code in order to solve problems. The resources for this assignment are links to demo pages, each of which describe a customer need. Your task is to create a local copy of each page and make the necessary changes to satisfy the need.

### Prerequisites

The API Key that you found in the last assignment is a crucial component of how Gigya works. Each key identifies a particular site for a particular partner and grants access to our APIs. There is a domain-based security measure on these keys that prevents any calls from being made when the Javascript SDK is loaded on a domain that is not white-listed for that particular key. The one exception to this rule is that all keys will work when running on localhost, so it's common practice to run pages locally for debugging purposes. You'll need to have a local web server in order run the examples below and complete this assignment.

### Resources

- [Screen Sets](#) - You should recognize this from earlier, time to implement your fix
- [Share UI](#) - You've seen this one too
- [Share Bar](#)
- [Markup Extensions](#)

### Deliverables

1. A zip file containing each page that you've modified.

## Assignment 5: Coding Sample

In addition to solving problems, we often need to develop demos for our clients in order to help them understand how a particular feature works. In this assignment, you'll be developing a simple application that allows the user to authenticate to Gigya and share some content. The coding sample below contains some sample files and a readme that will explain the goal.

When sending a demo to a client, we have an opportunity to showcase our product and really exceed expectations before they even begin development. Keep that in mind when designing this app and structuring your code.

### Resources

- [Coding Sample](#)

### Deliverables

1. A zip file containing your completed code sample. Please treat this as something that you would send to clients