

Asynchronous Messaging, SQS (Pre-class preparation)

Due Mar 18 by 9am **Points** None

Event Driven/Asynchronous Messaging and Queues

Assumptions

- Students have seen threading in Java or pthreads in a systems class.
 - Students have completed the lecture on serverless/lambda.
 - Students have an AWS account and a basic understanding of how AWS authentication works.
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- Watch:
 - From a course on distributed systems at Safari Books
<https://www.safaribooksonline.com/videos/distributed-systems-in/9781491924914/9781491924914-video215283> (<https://www.safaribooksonline.com/videos/distributed-systems-in/9781491924914/9781491924914-video215283>) (duration 6:27)
 - If this link doesn't work for you, login to [Safari Temporary Access](https://www.oreilly.com/library/view/temporary-access/) (<https://www.oreilly.com/library/view/temporary-access/>) using a BYU email address first, then visit the link again.
 - **Note:** You may have to be connected to a BYU network in order to see more than the first three minutes of the video
 - More in depth from a course in Enterprise Messaging, also from Safari Books
<https://learning.oreilly.com/videos/enterprise-messaging/9781491911839/9781491911839-video191636> (<https://learning.oreilly.com/videos/enterprise-messaging/9781491911839/9781491911839-video191636>) (duration 32:59)
 - Do:
 - Review SQS documentation starting with:
<https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/welcome.html> (<https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/welcome.html>)
 - Follow these steps to create a SQS message queue (that you will use in class)
<https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-getting-started.html> (<https://docs.aws.amazon.com/AWSSimpleQueueService/latest/SQSDeveloperGuide/sqs-getting-started.html>)