Sprint Retrospective, Iteration #7

Task Overview

Task #	Task Assigned To	Estimated Effort per Task *(in hours)*	Actual Effort per Task *(in hours)*	Done *(yes / no)*	Notes
Fetch and display list of blobs from server when creating new containers	Dean	4	4	Yes	
Fetch video from front-end using Azure Blob Storage	Dean	4	4	Yes	All videos are now fetched directly from the blob storage after a SAS link is generated by the server
Integrate on the fly blobs on the backend	Akash	3	9	Yes	Integrated a mechanism to fetch blobs on the fly
Use SAS links to allow user access to videos	Akash	3	5	Yes	Create a SAS uri that the frontend can use to stream blobs
Create SQL schema and execute docker compose	Akash	10	10	No	In progress
Create Integration tests	Akash and Thang	10	..	No	In progress
Add new controllers and tests	Thang	2	2	yes	

Main Problems Encountered

Problem 1: Fetch videos securely from the front-end from the blob store

Description: Videos on the blob storage must not be publicly available, therefore this creates the problem of an extra authentication step for the front-end before the video can be fetched.

Response: We used shared access signature (SAS) to grant limited access to the videos after the user has been authenticated and authorized by the server

Problem 2: Create integration tests for the blob store

Description: As we have migrated video storage to the blob store we can no longer use mocking, therefore additional integration tests with the blob store must be created.

Response: Different integration testing methods are being explored and implemented