**Team 1 Project**

**Team Participants:**

Angelique – Backup

Chris Mickey – Primary Speaker

Harwinder Singh - Backup

Kate Briggs – AWS Admin

Sarah Grimm – Scribe

**\*\*\* Note - Orange = Challenges/Successes/Lessons Learned**

**Tuesday 8/3**

Morning:

* Discussing solution
* Github access – had to accept invite through email in order to get access, otherwise when try to push user received permissions error.

Afternoon:

* Group discussion with Michael, Brad, and Kevin regarding design
* Accessed AWS account and added all team members as users
* When adding users download csv right away with credentials because otherwise if screen times out you lose session and information is gone.
* Reviewed design again after recommendations from instructors

**Wednesday 8/4**

Morning:

* Chris led demo of connecting code pipeline to Github for team
  + Output artifact format – code pipeline default but if we use code build we will go back and change to full clone
    - Default does not include metadata for Git
* Harwinder ran through execution of setting up pipeline and deploying to S3 while team watched.
  + After successful execution tested by changing html file and did not trigger pipeline
    - Discovered that Harwinder had forked not cloned repository so it was pulling from wrong repository
  + We could not see pipeline Harry created in team account but could see bucket
    - Account owner for repo must authorize for team members transactions related to repo.
    - We could not see pipeline and after researching we realized Harry was in different region when created pipeline and discovered that we all need to be in the same region!
    - Bucket must be in same region as pipeline in order to use with pipeline, even though S3 is global

Afternoon:

* Discussed ideas for updating html page
* Added Lambda function triggered by s3
  + Wrote function test
  + Showing some access errors
    - [ERROR] ClientError: An error occurred (AccessDenied) when calling the GetObject operation: Access Denied

**Thursday 8/5**

Morning:

* Researched errors and found that we needed to add additional policies to Lambda IAM role
  + After adding additional policies, the function ran with no errors!
  + Started with  [AWSLambdaBasicExecutionRole](https://console.aws.amazon.com/iam/home" \l "/policies/arn%3Aaws%3Aiam%3A%3Aaws%3Apolicy%2Fservice-role%2FAWSLambdaBasicExecutionRole)
    - Added:

[AmazonS3FullAccess](https://console.aws.amazon.com/iam/home#/policies/arn%3Aaws%3Aiam%3A%3Aaws%3Apolicy%2FAmazonS3FullAccess),

[CloudWatchFullAccess](https://console.aws.amazon.com/iam/home#/policies/arn%3Aaws%3Aiam%3A%3Aaws%3Apolicy%2FCloudWatchFullAccess),

[AWSLambda\_FullAccess](https://console.aws.amazon.com/iam/home#/policies/arn%3Aaws%3Aiam%3A%3Aaws%3Apolicy%2FAWSLambda_FullAccess)

Afternoon:

* Added SNS notification from S3
  + Received error “Unable to validate the following destination configuration”
    - Had to troubleshoot how to grant access permissions between SNS and S3
      * Had to update and be explicit in the access policy for SNS topic
* Reviewed basics of html file

**Friday 8/6**

Morning:

* Added animation to html page
* Reviewed and updated presentation as team

Afternoon:

* Breakout

**Monday 8/9**

Morning:

* Troubleshot notifications to reduce number received
* In events notification page modified to just send for html page specifically
  + Discovered that you have to create separate events if want to specify different types of objects

Afternoon:

* Reviewed presentation and discussed additional challenges and lessons learned to add to slide
* Discussed who will cover what material in presentation

**Tuesday 8/10**

Morning:

* Reviewed first attempt of demo video, realized that the sound was very low and Chris will try again
* Discussed presentation and first thoughts for what each person will cover/say when speaking to slide
* Breakout for each person to work on scripting for their portion of presentation