**PE01: Programming Exercise**

In this programming exercise, we used AWS services, particularly Amazon Rekognition, for label recognition. We created the whole AWS stack using a preexisting cloud front stack, including the S3 bucket, Amazon Cognito for authenticating Service Requests, and React for the front-end layer.

* Creating the stack with cloud-front

A screenshot of a computer

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* The stack has been created entirely.

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* The application URL will work after the stack has been executed.

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* After authentication, we get this.

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* We used the default room project in Amazon Rekognition provided project examples.

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* We then trained the model.

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* We then start the model.

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* Here is the result of some testing.

A screenshot of a home

Description automatically generatedA screenshot of a bathroom

Description automatically generatedA screenshot of a bedroom

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