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*S1108900 | Software Development for Business*

*Cloud platform development*

Coursework

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I declare that all work submitted for this coursework is the work of Iona Wright alone unless stated otherwise.

# Problem and cost-optimised solution (10 marks)

## Description of problem and your approach to solve it. You can also suggest improvements/changes to the application architecture

## SN.CPD GA/FT Coursework. 2021-22 Tri B. Diet 1 Page 5 of 5 shown in Figure 1 providing justifications.

The bucket name can be between 3 and 63 characters long, and can contain only lower-case characters, numbers, periods, and dashes.

<https://docs.aws.amazon.com/AmazonS3/latest/userguide/bucketnamingrules.html>

## Description of how the application can be cost optimised considering many image files uploads and running over a longer period of time

Log events show how much you are billed for

Amazon SNS provides in-transit encryption by default but not at-rest. Enabling at-rest to the server side will increased the security.

# Security features and application testing (10 marks)

## Brief description of how the application can be secured using the features available in AWS

AWS IAM – security credentials: <https://www.youtube.com/watch?v=5q7FtT_DyME>

Create our own (SSH) key – don’t use the default

## Application Testing

Create SQS

<https://boto3.amazonaws.com/v1/documentation/api/latest/guide/sqs.html>