

Assignment 2: Marking Guidelines

Demonstration (20%):

The demonstration will occur in class (or submitted video for external students) and will be a chance for you to show me the implementation you have created in AWS. The focus here is how you have used the various AWS services to accomplish your finished product. You will be graded individually for this section.

The key areas I'm looking for here are as follows:

- Individual task working properly within the finished product.
 - i.e. Video is streaming live, users can login, etc.
- Proper configuration and setup on AWS.
 - AWS services have been used to accomplish the finished product.
 - AWS services that have been used make sense.
 - AWS services have been used appropriately.
- Design Justification.
 - Ability to justify the decisions made for the systems design or design of product in general.
- Extra features implemented.
 - I'm looking for more than just a blank site with a video live streamed on it.
 - Additional marks awarded for going above and beyond.
 - This goes as a case by case basis.
- Remain on time, marks will be deducted for going over the allotted time.

Presentation (30%):

The presentation will occur in class (or submitted video for external students) and will be a chance for you to show off the finished product to both myself and the rest of the class (if internal). The focus here will be on the finished product, the quality of your presentation and the contribution of work in the team. You will be graded individually for this section.

- Slide Quality.
- Presentation Quality (including audio/video quality for external students).
- Individual achievement and technical contribution.
- Remain on time.

Report (Group Part) (20%):

The group sections of the report will be graded as a group, as long as all members have contributed equally. Your individual word count of 1000 words will not be including the content written here.

Please ensure the quality of work is at the highest level and writing is drafted accordingly.

- Abstract
- Introduction
- Analysis
 - Analysis Scenario
 - Breakdown the problem statement and provide some insight as to why cloud can be used for this implementation.
 - System Design
 - Discuss how your services connect and work together for your implementation.
 - Budget Estimate
 - Obviously (hopefully?) your implementation isn't going to cost thousands or millions of dollars. For the actual event, this is expected to be different.
 - Using data from your own implementation and looking at what the services cost, provide an idea on the estimated cost the Adelaide Cup will have on cloud.
- Implementation
 - Each of your individual sections outlined below.
- Conclusion
- References (if required)
- Appendix (if required)

- If there are any other details or sections you wish to add, feel free to.
- The overall quality of the report and its design will also be taken into consideration here.
- Ensure any referenced material is included in a references section and in-text reference added for corresponding text.

Report (Individual Part) (30%):

Each section here should be completed by the corresponding group member responsible for that section of implementation. You will be marked individually for this section of the report. Your individual section of the report should include the following (depending on which part you are responsible):

- Account Management
 - Introduction
 - Introduce the idea of what is completed here, perform an overview of what this section is looking at.
 - Authentication, authorization, accounting
 - Discuss what you have completed for this section.
 - Describe what your implementation looks like and how it works on the application you have made.
 - Describe the way you have used AWS to accomplish this task.
 - Include diagrams/images as you see fit.
 - Should be main part of this section.
 - Extra features in subscription
 - Include details about anything you have added extra to the system.
 - Discuss in a way similar to the above section.
 - Explanation and justification of the design
 - Explain the design you have incorporated and justify why you decided to make the decisions you have made.
- Video Streaming and Video on demand
 - Introduction
 - Introduce the idea of what is completed here, perform an overview of what this section is looking at Video on demand implemented on AWS
 - Video streaming implemented on AWS
 - Discuss what you have completed for this section.
 - Describe what your implementation looks like and how it works on the application you have made.
 - Describe the way you have used AWS to accomplish this task.
 - Include diagrams/images as you see fit.
 - Should be main part of this section.
 - Additional features (e.g. multiple channels with different video on demand / streaming services as a proof of concept, commenting etc)
 - Include details about anything you have added extra to the system.
 - Discuss in a way similar to the above section.
 - Explanation and justification of design
 - Explain the design you have incorporated and justify why you decided to make the decisions you have made.

- Usage Analysis
 - Introduction
 - Introduce the idea of what is completed here, perform an overview of what this section is looking at Video on demand implemented on AWS
 - Popular channels in different countries (e.g. which channels are popular on demand in Australia)
 - You aren't expected to distribute the content across multiple countries, but you can discuss what you would expect to see if you were to.
 - Service to mobile/desktop/STB
 - Discuss the different service statistics to the different types of device.
 - Again, likely not to be accurate so research may be needed to see what would be likely for the real scenario.
 - Discussion
 - Discuss what you have completed for this section.
 - Describe what your implementation looks like and how it works on the application you have made.
 - Describe the way you have used AWS to accomplish this task.
 - Include diagrams/images as you see fit.
 - Explanation and justification of data collection and analysis
 - Explain the design you have incorporated and justify why you decided to make the decisions you have made.

- Testing
 - Introduction
 - Introduce the idea of what is completed here, perform an overview of what this section is looking at Video on demand implemented on AWS
 - Testing the working state of the system
 - Discuss what you have completed for this section.
 - Describe what your implementation looks like and how it works on the application you have made.
 - Describe the way you have used AWS to accomplish this task.
 - Include diagrams/images as you see fit.
 - Should be main part of this section.
 - Extra testing features (potentially outside of AWS)
 - Include details about anything you have added extra to the system.
 - Discuss in a way similar to the above section.
 - Explanation and justification of design
 - Explain the design you have incorporated and justify why you decided to make the decisions you have made.