

Problem A - Self Service Data Access

The application developers have created a web application that generates a log file of the format <datetime logtime, string message>. Your team has deployed the application in production, where the developers don't have access to the log file on the servers local file system due to a security boundary.

The application developers want access to the contents of the log.

Write automation/program that will allow the developers to view the logs without manual intervention.

A production grade solution is not expected.

Along with the code, also note

Resources: What external references/sources you used to arrive at the solution

Design and Implementation: Design choices and decisions

Alternatives: What alternatives did you consider? Why did you not choose those options?

Deployment Plan: How will this be deployed?

Monitoring/Reporting/Alerts,etc: How will your team know that your program/solution is working as expected? What metrics/charts would you monitor and report for this component?

Configuration: What configuration parameters will this need? How will the administrators set these parameters?

Testing: What is your test strategy?

Problem B – Command Line Movie Search

The Open Movie Database thoughtfully provides an API which can be used to retrieve information about every movie ever made:

<https://omdbapi.com/>

We'd like you to build a Command Line Interface (CLI) in a language of your choice, which should utilise this API to:

- Provide search functionality. For instance, search for all movies with the word Planet in the title.
- Show details of a specific movie. With an option to show Rotten Tomatoes ratings too.

In both cases the output should be presented in a readable manner.

A production grade solution is not expected. Along with the code, also note

Resources: What external references/sources you used to arrive at the solution

Design and Implementation: Design choices and decisions

Alternatives: What alternatives did you consider? Why did you not choose those options?

Deployment Plan: How will this be deployed?

Monitoring/Reporting/Alerts,etc: How will you or your team know that your program/solution is working as expected? What metrics/charts would you monitor and report for this component?

Configuration: What configuration parameters will this need? How will the administrators set these parameters?

Testing: What is your test strategy?