**Project Determination Criteria:**

1. Demonstrate full capabilities based on a time-boxed challenge
2. Provide avenue to demonstrate appreciation AWS (All solutions should be doable in the free tier)
3. Demonstrate full stack capabilities
4. Provide room for differentiators (e.g. overcome Challenges , design thinking , Innovation, etc..)
5. Allow for Additional hidden bonuses - Testing? TDD? Configurations
6. Can be completed in 1 week
7. Individual project
8. Clear problem
9. Allow for assessment of Approach and Organization of candidate

**Candidate Assessment criteria:**

1. Working solution
2. Approach and Design (OOP, encapsulation, etc)
3. Bonus work (Testing, Automated Testing, logging,  using frameworks , more AWS services,  etc...)
4. Presentation skills
5. Full understanding of code, and ability to explain alternatives
6. Additional points for will be awarded for the bonus section
7. Did they plan their approach or was there any method?
8. Were there any additional ideas or out of the box solutions they tried? (doesn’t have to fully work)

**The Challenge**: **Student Catalog**

**Requirements:**

You have been tasked to create a Student catalog, that will be used for Professors and Students to look up all students on campus.

The solution should (in a browser):

* + Show personal student information (e.g. First Name , Last name &   *potentially* SSN)
  + Be able to add Student information
  + Should contain a student view - shows First Name and Last Name
  + Should contain a professor View - show first name and last name and SSN
  + Add any buttons required to complete the user experience (e.g. Add student, Navigate/scroll, etc..)
  + Please provide the plan you used to sequence and complete this exercise

**Technical:**

* Basic Web front end
* Simple Backend API
* Java / Python
* Any JS or framework (bonus if you use Angular)
* Database
* Bonus if you incorporate Spring or Springboot

**Challenges (Bonus – in priority order):**

* Building your solution in the AWS free tier environment. Or leveraging any AWS service as part of your solution.
* Sometimes the application will need to go through emergency fixes.   Can you give a message to your users that your site is "Currently Under Maintenance"?  Through simple configuration switch?
* Is your API secure?
* Can you use a code repo?
* Please add anything else you feel would be of value