**CS 405 Project Two Script Template**

Complete this template by replacing the bracketed text with the relevant information.

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| **Slide Number** | **Narrative** |
| **1** | Hello my name is Cameron and today I will be displaying my security policy for Green Pace |
| **2** | As a starter, let me first go over the purpose of a security policy. Everyday we face challenges in our life that may push us to an uncomfortable state in life. Whether that be financially or socailly. There are many threats in the world and many we don't pay attention to. While technology has been woven into every aspect of life, there have been measures taken by developers to ensure security and protection from threats. A security policy provides this to consumers. This also provides a building block for developers to ensure progression with projects that they are a part of. |
| **3** | As you can see from this slide, I have categorized the security practices based upon threat level. Some practices will be shown later in the video. What you will see next are the principles that mold the security policy. These will be shown on the next two slide. Please pause the video to read them if needed. |
| **4** | Wait for 15 seconds |
| **5** | Wait for 15 seconds |
| **6** | On this slide, I have categorized the coding standards and distinguished which princples apply to them. You can pause at this time if necessary as well. |
| **7** | Read Slide |
| **8** | Read Slide |
| **9** | On this slide, you can see a sample unit test. This unit test runs 4 different tests in one. Using Google Test attributes such as ASSERT\_TRUE and ASSERT\_FALSE provide an easy maneuver to confirm that code is performing properly. There are so many more types of attributes that can be used through Google Test that can provide a quick solution based upon the type of data that is needed to be tested. |
| **10** | Automation is the perfected goal of completing tasks without have to start activities back over again. Once it has initially been started then it will function on its own with little assistance. As shown on this slide we will work through the automation summary and intertwine it with the Devsecops pipeline. |
| **11** | DevSecOps is a mold for develpoment, security, and operations. Combining the three allows for better security, accountability, and growth. This pipeline is the molding of automation. The different phases of the pipeline are broken down as such. The planning phase is used to create a layout for scenarios and how they will be handled. The code and build phase uses API keys and Git control for security. During the testing phase, tools such as Jenkins can provide necessary testing solutions. CPP check can be used during final stages to detect any further vulnerabilities before final deployment. |
| **12** | Security is an essential part of development. While it may not be the most time consuming part of a project, it is definitely one of the most important parts of a project. Better than any feature that an application can have, a sense of security is invaluable. When planning security for a project, the consumer needs should be kept in mind in correlation with the functions of the application. For example, log in screens should be able to prevent SQL injection in order to keep databases from being corrupted. |
| **13** | While you can take many precautions to prevent secuirty threats, every system is susceptible to an attack. Using the necessary tools to administer proper testing with the most up to date attack methods will make it easier in the long run. |
| **14** | Thank you for listening along during this presentation. I hope that you now have a better understanding of security practices and it's necessity. While security is not flawless, there is always room for improvements. Utilizing the steps from this presentation will allow for better progression on a real job where real threats would occur. Even on side projects that you could purse, practicing secuirty is always going to be important and will make or break your success. |