# CS 405 Project Two Script – Ryan St George

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Project Two: Security Policy Presentation

Video Link: <https://youtu.be/aeFWxZJF7N0>

Added relevant information, some slides might have additional unscripted text.

| **Slide Number** | **Narrative** |
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| **1** | Good afternoon, we are going to be talking about our Security Policies here at Green Pace and how implementing this new Security Policy will help the company. |
| **2** | By having defined security principles, coding standards, and auditing standards we can ensure Green Pace stays secure. Looking at this diagram we can see the multiple layers of security defenses and policies that surround them. Feel free to pause this video to take a deeper look. |
| **3** | Next, we can see our Threat Matrix. Noting each Coding Standard laid out in a Rule form starting at 1 going through 10 and observing that these are regarding C++. You can see the severity, cost, priority, and likelihood of occurring. |
| **4** | Observing the 10 principles on our left and looking at the right we can map each Coding Standard to more than one principle. Again, feel free to pause to take a deeper look. |
| **5** | Here we can see the Coding Standards ranked based on severity from the chart back in Slide 3 of the Threat Matrix. |
| **6** | Encryption is something that is of importance here. Note the 3 levels of Encryption which is Encryption in rest, Encryption at flight, and Encryption in use. |
| **7** | Similarly, to encryption Triple-A Framework is of importance as well and their policies of Authentication, Authorization, and Accounting. |
| **8-17** | \*\*\*UNIT TESTING MULTIPLE SLIDES\*\*\*  Note the code, and then the tools to help in automation of this Coding Standard. Slide 17 talks about importance of each Standard having their own unit testing. |
| **18** | Looking at this diagram we can see the automation summary from pre-production and throughout production. Again, involving security and development is important. Feel free to pause to take a deeper look at this diagram. |
| **19** | Read slide 19 (Tools) |
| **20** | Read slide 20 (Risk and Benefits) |
| **21** | Summarize recommendations and note the few bullet points |
| **22** | In conclusion to prevent any future problems having audits as I just described, frequent team meetings, and even a dedicated security team can really help limit any vulnerabilities and threats to the company. Remember your customers need to trust you with their information and you don’t want that reputation ruined. Or even your own personal information that can harm the business. |
| **23** | For instance, in March 2023 Chick Fil A suffered a data breach which exposed customer information. That was a company that had the trust in their users even though it’s a fast-food restaurant they still allow customers able to have accounts for points and rewards. This can harm customers for a long time and often hurts the reputation of your business. |