**Technology Plan and Risk Analysis**

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***Technology Plan***

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| **Technology** | **Experience Rating** |
| ***Platforms*** | |
| Windows | Extensive |
| ***Anti-Virus Technologies*** | |
| File Searching | Tutorial |
| Simple Scan | Tutorial |
| Realtime Protection | Tutorial |
| Webcam Logger | Tutorial |
| Keystroke Encryption | Tutorial |
| ***Application Development*** | |
| Python | Moderate |
| Java | Small Scale |
| C++ | Tutorial |

**Risk Analysis**

***Business Risks***

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| --- | --- | --- | --- | --- |
| **ID** | **Business Risk** | **Likelihood** | **Impact** | **Severity** |
| Bus-R-1 | Weakness in app misses certain viruses. | VH | H | H |
| Bus-R-2 | Keystroke encryption fails to be decrypted for ‘safe’ applications. | H | M | M |
| Bus-R-3 | Trojan attaches itself to application to gain admin rights. | VL | H | L |
| Bus-R-4 | Real time protection requires lots of power to run | M | H | M |
| Bus-R-5 | App is too difficult for basic users to operate | M | M | M |

***Technical Risks***

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| --- | --- | --- |
| **ID** | **Technical Risk** | **Likelihood** |
| Tech-R-1 | Limited experience with coding language. New to certain languages. | VH |
| Tech-R-2 | No experience with encrypting/decrypting data. | H |
| Tech-R-3 | Time is limited due to classes. | VH |
| Tech-R-4 | Unable to guarantee Administrative access to all system files. | M |
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