

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | | | | | | | |
|  | | | High Integrity Software DevelopmentCOURSEWORK REPORT | | | | | | | | | |  | | | |
|  | |  | | | | | | | | | | | |  | | |
|  | | | | | |  | | |  | | | | | | | |
|  | | | | | | ALEXANDROS **RANTOS**  **CHARISOPOULOS**  Student Number  **190587101** | | |  | | | | | | | |
|  | | | | | | DATE 12/12/2019 | | |  | | | | | | | |
|  | | | | |  | | | | |  | | | | | | |
|  | | | | TAKS 1: CODE ANALYSIS | | | | | | |  | | | | | | |
|  | | | |  | | |  |  | | |
|  | INFORMATION FLOW  1. Specification file: 2. Body file: | | | | | | | | | | | | | | |  | |
|  | CORRECTING RUN-TIME ERROS  1. Specification file: 2. Body file: | | | | | | | | | | | | | | |  | |
|  | ADDITION OF PROOF ASPECTS  1. Specification file: 2. Body file: | | | | | | | | | | |  | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | TASK 2: WEAKEST PRECONDITIONS | | | |  |
|  |  | |  |  |  |
|  | Proof of Verification Lastly, in order to prove the correctness of the program the assert function was used. The password was calculated automatically at the start | | | | | |  |
|  |  |