Quality Attribute Specification Assignment

1. You are working in company XYZ required you to develop ticketing system for Cinema, the owner of Cinema is focusing on two things:
   1. Security system for purchase ticket using Credit Cards.
   2. The performance of booking tickets.

Write scenarios for each requirement to get you client signature.

1. Security system for purchase ticket using Credit Cards.

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| --- | --- |
| **Source of stimulus:** | Customers |
| **Stimulus:** | Payment using credit cards |
| **Artifact:** | Ticketing System |
| **Environment:** | Normal Operations |
| **Response:** | System request TAC number for validation |
| **Response Measure:** | Only 3 attempts are allowed |

1. The performance of booking tickets.

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| --- | --- |
| **Source of stimulus:** | Customers |
| **Stimulus:** | Initiate 5000 transactions per minute |
| **Artifact:** | Ticketing System |
| **Environment:** | Normal Operations |
| **Response:** | Transaction is processed |
| **Response Measure:** | The process is able to achieve latency of 3 seconds |

1. You are working in governmental sector and your boss required you to develop architecture to remove the overhead of official stamping for the documents without losing security.

Propose a proper architecture tactic to achieve this feature.

In my opinion, I will propose The Center for Internet Security critical security controls (CIS) to overcome the overheads of stamping for the documents without losing security. This is because (CIS) provides a prioritized set of actions for cybersecurity that form a defense-in-depth set of specific and actionable best practices to mitigate the most common cyber-attacks.

1. You are working in a starting company with limited budget and your boss required you suggest some tactics to reduce the maintainability cost of the software.

Propose three tactics for this objective.

* Focusing on preventive maintenance for minimizing software hazards, software malfunction and other expected consequences that could impact the company’s life.
* Must keep in touch on detailing the reports. This is because it is crucial to document any routine or emergency maintenance services performed on a specific operations, tools, or related internal usage.
* The company must expect the unexpected. This is because to make sure the workers in the software company always prepared for the worse case that regards to the cost, maintenance, risks, and managements.
* Submit your answers at in your github host.
* We will pick up randomly 5 students next session to present their answers.