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**Project: Threat Modelling-OWASP Dragon**

# temmytech solutions web app threat model

## Project Summary

Threat Modeling: [temmytech solutions web App]

On this project I focus on threat modeling using OWASP Threat Dragon and the STRIDE methodology to proactively identify security weaknesses in the [temmytech solutions web App] design.

## Key Deliverables

System Decomposition: I created a Data Flow Diagram (DFD) to map all system components, actors, data flows, and critical trust boundaries.

Threat Analysis (STRIDE): I systematically analyzed each component and data flow using STRIDE to generate a comprehensive list of potential threats (Spoofing, Tampering, Repudiation, etc.).

Risk & Mitigation: I documented and prioritized specific countermeasures for each threat to ensure security controls were applied early in the development lifecycle.

Artifact: The resulting threat model is stored as a version-controlled JSON file alongside the application code.

**Owner:** All  
**Reviewer:** Analyst Peter  
**Contributors:** **Date Generated:** Tue Dec 02 2025

## Executive Summary

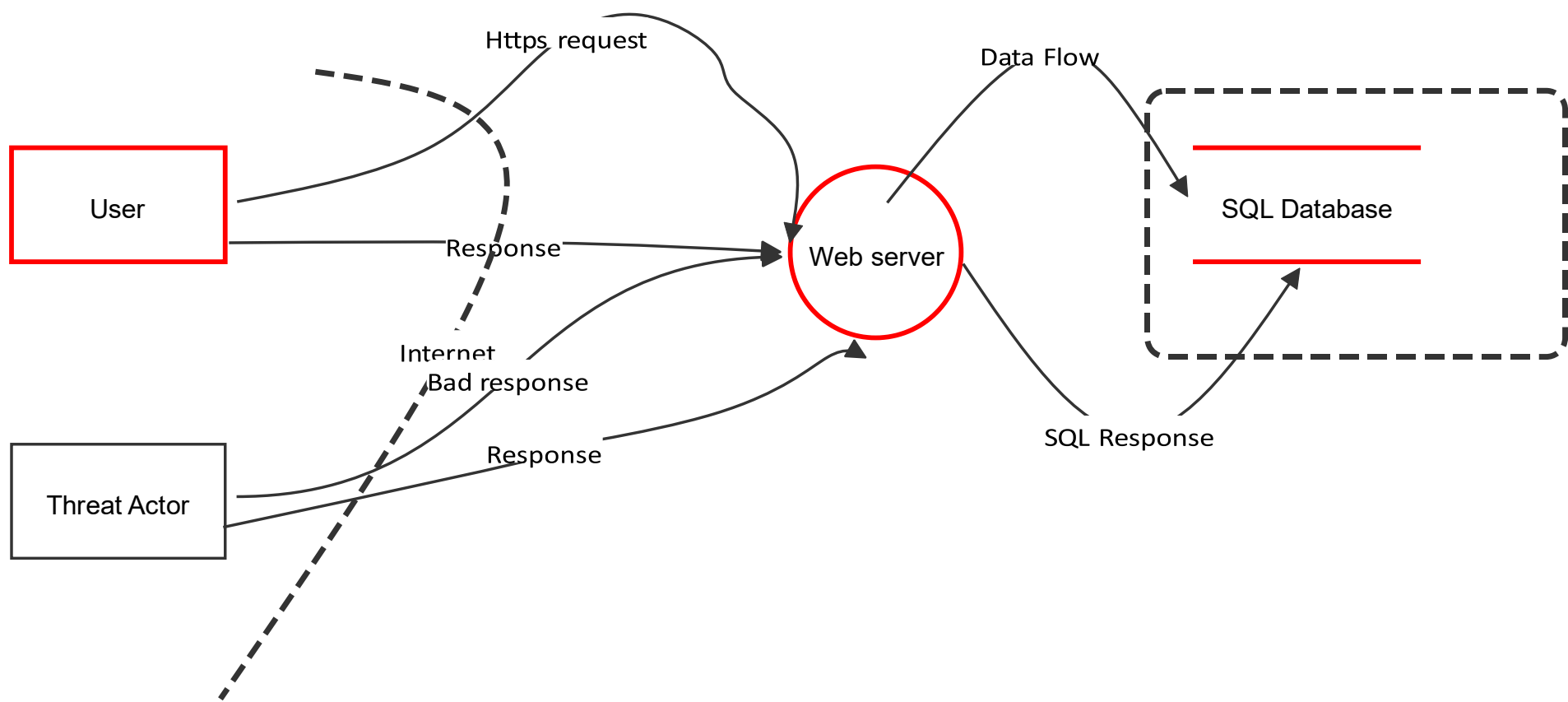
### High level system description

Not provided

### Summary

Total Threats	12
Total Mitigated	0
Total Open	12
Open / Critical Severity	0
Open / High Severity	0
Open / Medium Severity	0
Open / Low Severity	0
Open / TBD Severity	12

# temmytech web app DFD



# temmytech web app DFD

## User (Actor)

Description: Normal user authenticated/unauthenticated

Number	Title	Type	Severity	Status	Score	Description	Mitigations
11	New STRIDE Spoofing	TBD threat		Open		Falsely assuming Identity	Authentication, certificates, Encryption
12	New STRIDE Repudiation	TBD threat		Open		User/system denies performing an action/transaction, exploiting a lack of evidence	Secure extensive logging and digital signatures to ensure non-repudiation.

## Threat Actor (Actor)

Description: Bad user authenticated/unauthenticated

Number	Title	Type	Severity	Status	Score	Description	Mitigations
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## Web server (Process)

Description: The web host

Number	Title	Type	Severity	Status	Score	Description	Mitigations
5	New STRIDE threat	Spoofing	TBD	Open		Users can be impersonated	Using customized professional Domains
6	New STRIDE threat	Tampering	TBD	Open		Provide a description for this threat	Provide remediation for this threat or a reason if status is N/A
7	New STRIDE threat	Tampering	TBD	Open		Unauthorized data modification	File integrity monitoring
8	New STRIDE threat	Information disclosure	TBD	Open		Unintentional exposure of data	Disable verbose errors, remove server banners
9	New STRIDE threat	Denial of service	TBD	Open		Overwhelming a server or application with a flood of traffic	Rate limiting

10	New STRIDE threat	Elevation of privilege	TBD	Open	Unauthorized users gains higher access	MFA
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## Https request (Data Flow)

Description: Normal https request

Number	Title	Type	Severity	Status	Score	Description	Mitigations
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## Response (Data Flow)

