AMAZON APP TM SIMULATION

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Executive Summary
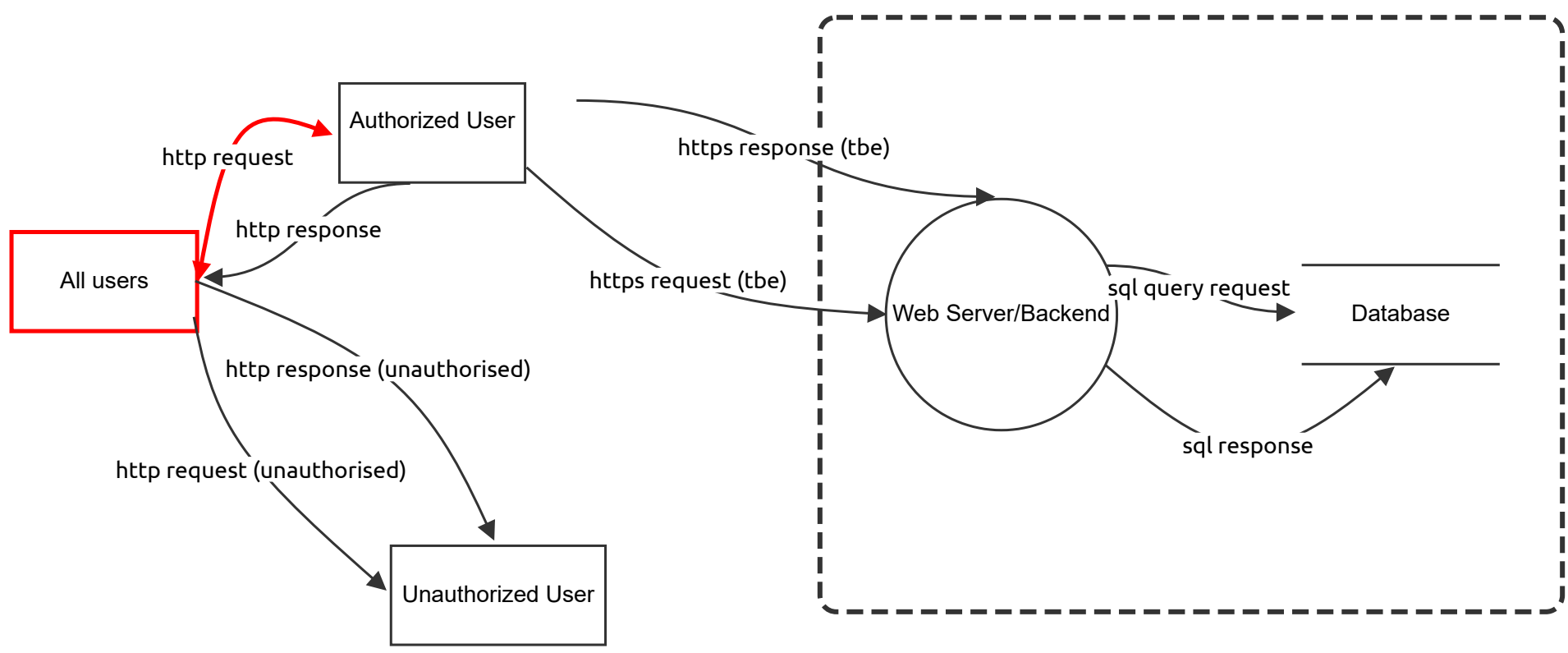
High level system description

Not provided

Summary

Total Threats	5
Total Mitigated	0
Total Open	5
Open / Critical Severity	0
Open / High Severity	0
Open / Medium Severity	0
Open / Low Severity	0
Open / TBD Severity	5

Amazon DFD

All users

Authorized User

Unauthorized User

Web Server/Backend

Database

http request

http response

http response (unauthorised)

http request (unauthorised)

https response (tbe)

https request (tbe)

sql query request

sql response

Amazon DFD

Authorized User (Actor)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

Unauthorized User (Actor)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

All users (Actor)

Description: This is the Public facing side

Number	Title	Type	Severity	Status	Score	Description	Mitigations
1	All user threat	Spoofing	TBD	Open		Users can be impersonated and their session ids exploited	Ensure secure coding using the owasp secure coding framework.
2	All user threat	Repudiation	TBD	Open		Proof of access	Ensure that cookies are activated.

Web Server/Backend (Process)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

Database (Store)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

http request (Data Flow)

Description: request for authorization

Number	Title	Type	Severity	Status	Score	Description	Mitigations
3	Authorization request flow	Tampering	TBD	Open		Integrity could be compromised.	Enable TLS and hashing.
4	Authorization request flow	Information disclosure	TBD	Open		Confidentiality could be compromised.	Enable TLS
6	Authorization request flow	Denial of service	TBD	Open		Overflooding could occur	Ensure or enable limiting.

http response (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

http request (unauthorised) (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

http response (unauthorised) (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

https response (tbe) (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

https request (tbe) (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

sql response (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations

sql query request (Data Flow)

Number	Title	Type	Severity	Status	Score	Description	Mitigations