Threat Modeling Using STRIDE

STRIDE

Spoofing

Tampering

Repudiation

Information disclosure

Denial of service

Elevation of privilege

STRIDE++

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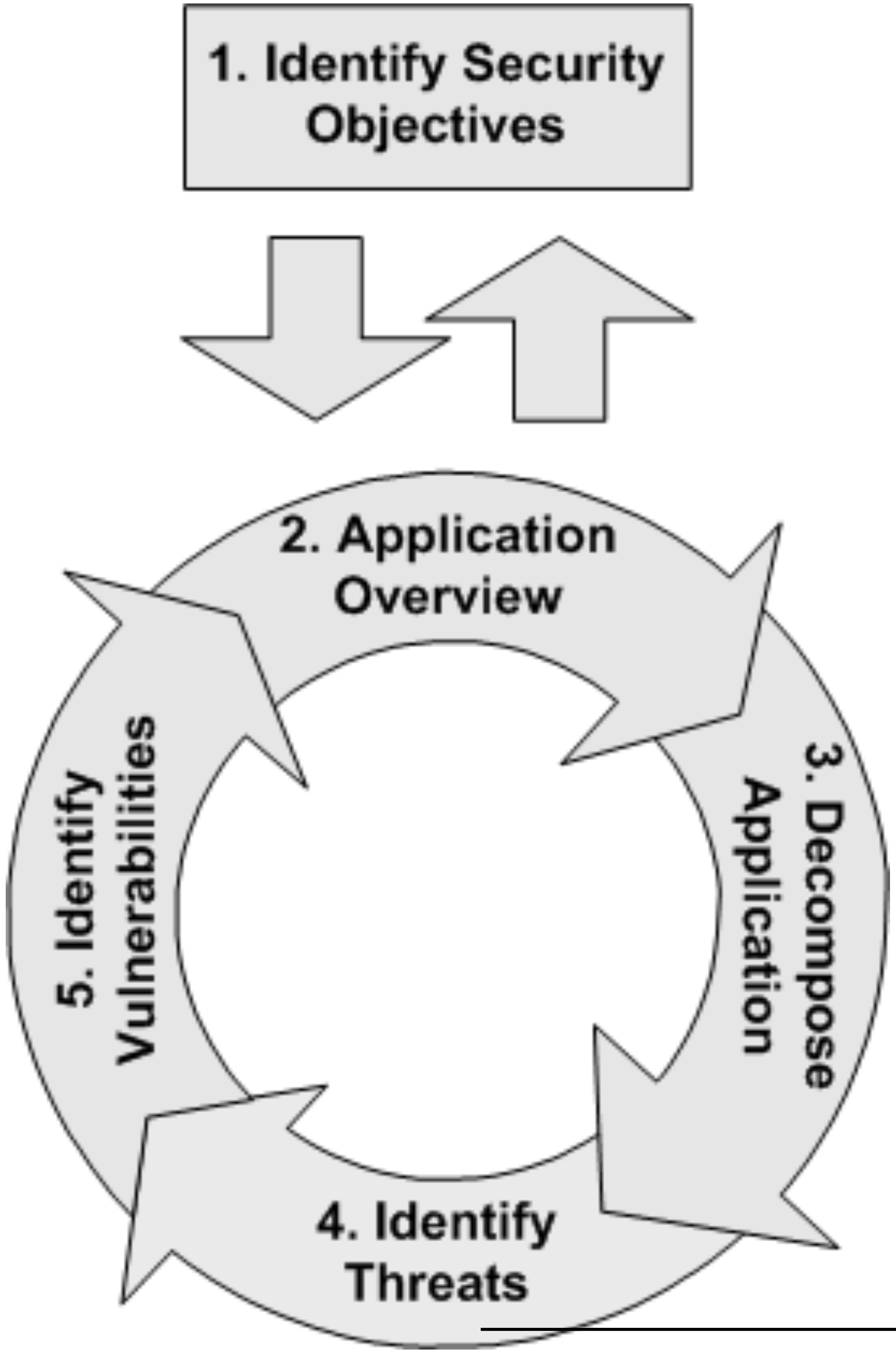
Poisoning Attach

Evasion Attack

Why STRIDE?



STRIDE

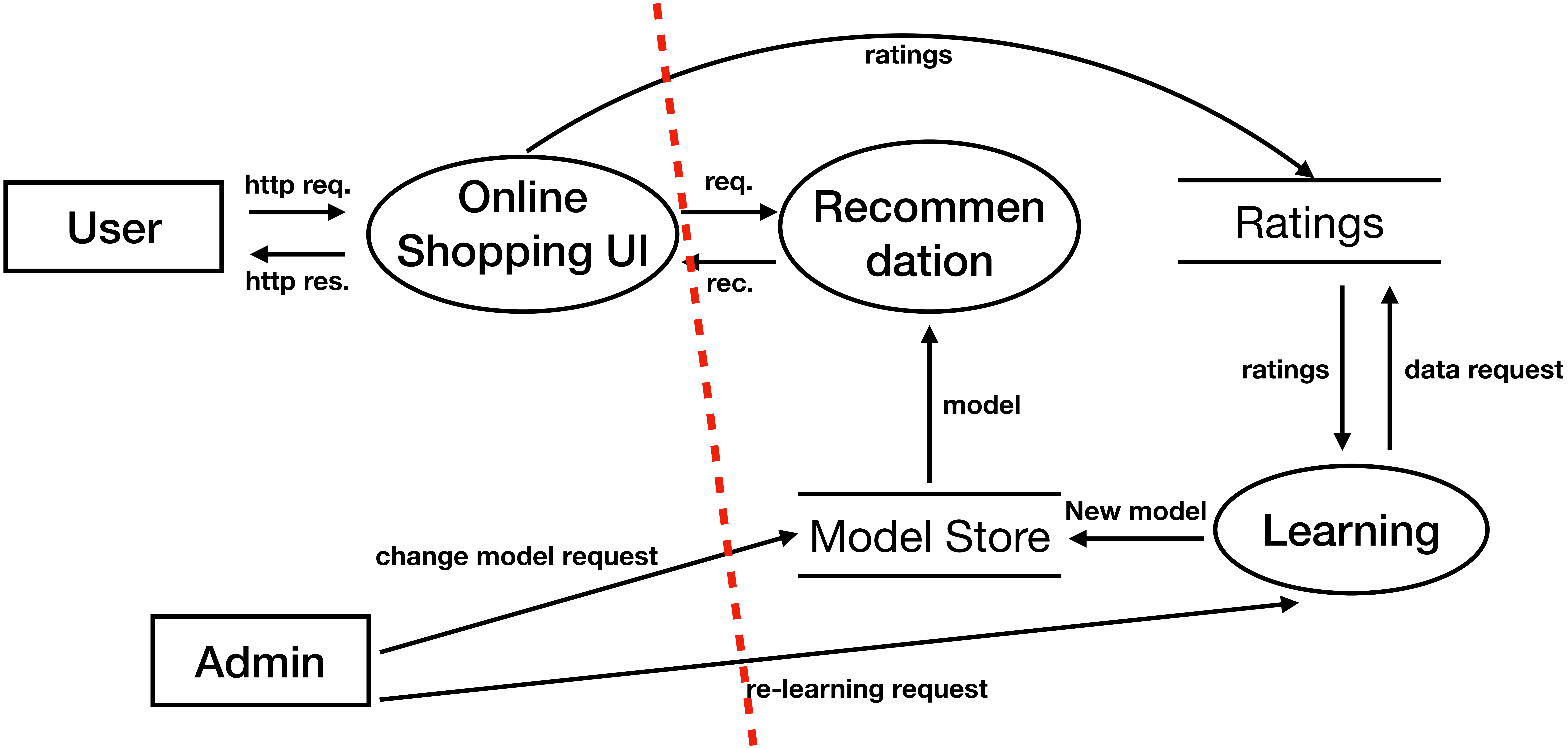
Scenario: Online Shopping Recommendations

- Amazon-like online shopping platform
- ML component recommends products based on users’ ratings
- Several competitors for the same products

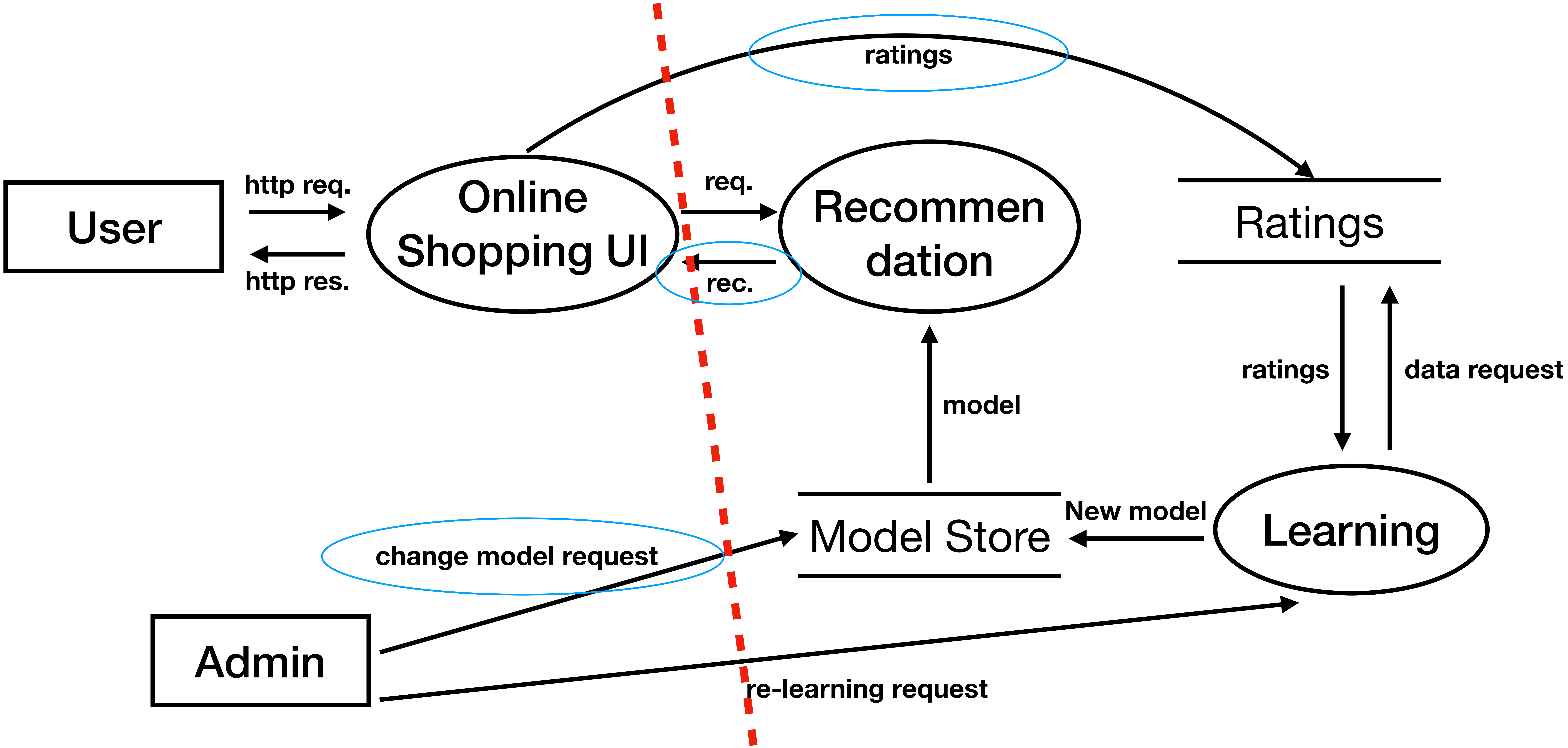
Attacker Goal

Attack the system to favor certain products in recommendations.

Data Flow Diagram



Data Flow Diagram



Have we covered all?

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