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Academic year 2025-2026

**20CYS401**

**Secure Software Engineering**

Lab Record

*Submitted by*

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**Question:For the given application complete full secure devops lifecycle within single lab session**

**Application name: Feeddback submission portal**

**Suggested technology stack:Node.js+mongoDB**

**Focus area/expected output:cross site scripting prevention**

4.Identify **2 threats** using STRIDE and show an **attack tree** for one

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| --- | --- |
| STRIDE Category | Threat Description |
| Tampering | An attacker submits malicious JavaScript in the feedback form. When another user (like an admin) views the feedback, the script executes in their browser and modifies (tampers with) the content of the web page without authorization. |
| Information Disclosure | An attacker submits a malicious script designed to steal data. When an administrator views the feedback, the script executes, captures the admin's session cookie, and sends this sensitive information to a server controlled by the attacker. |

Attack tree:

