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Threats analysis

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| Use Case | STRIDE Categories | User | Target Feature | Damage |
| Impersonating users during login, manipulating registration to create fake accounts | Spoofing, Tampering, Elevation of Privilege | Attackers | Login/ Register Page | Unauthorized access, data theft, identity impersonation |
| Modifying login page to capture sensitive information, injecting malicious code in registration form | Tampering, Elevation of Privilege | Attackers | Login/ Register Page | Data manipulation, code injection, unauthorized access |
| Denying registration or login actions, creating disputes post-login | Repudiation | Users | Login/  Register Page | Dispute resolution difficulties, lack of accountability |
| Insecure login or registration processes leading to information leaks, attackers spoofing identity | Information Disclosure, Spoofing | Attackers | Login/ Register Page | Exposure of sensitive information, privacy breaches |
| Overwhelming login/register functionality with excessive requests, rendering it unresponsive | Denial of Service | Attackers | Login/ Register Page | Service disruption, unavailability for legitimate users |
| Exploiting vulnerabilities to gain unauthorized privileges during login/registration | Elevation of Privilege | Attackers | Application | Unauthorized access, gaining higher privileges |
| Modifying data entered during registration, compromising user account settings | Tampering | Attackers | Registration Data | Data manipulation, compromised functionality |
| Denying authenticity of registration or login actions | Repudiation | Users | Application | Difficulty in proving actions, potential fraud |
| Launching denial-of-service attacks against login/register functionality | Denial of Service | Attackers | Login/ Register Page | Service disruption, unresponsiveness for legitimate users |