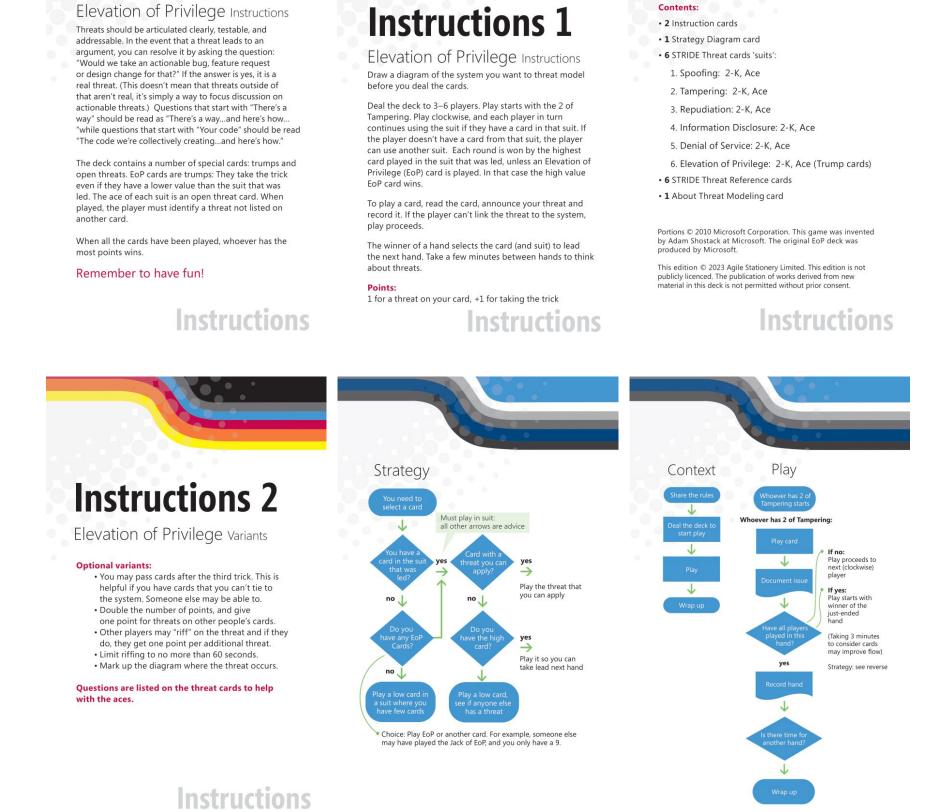
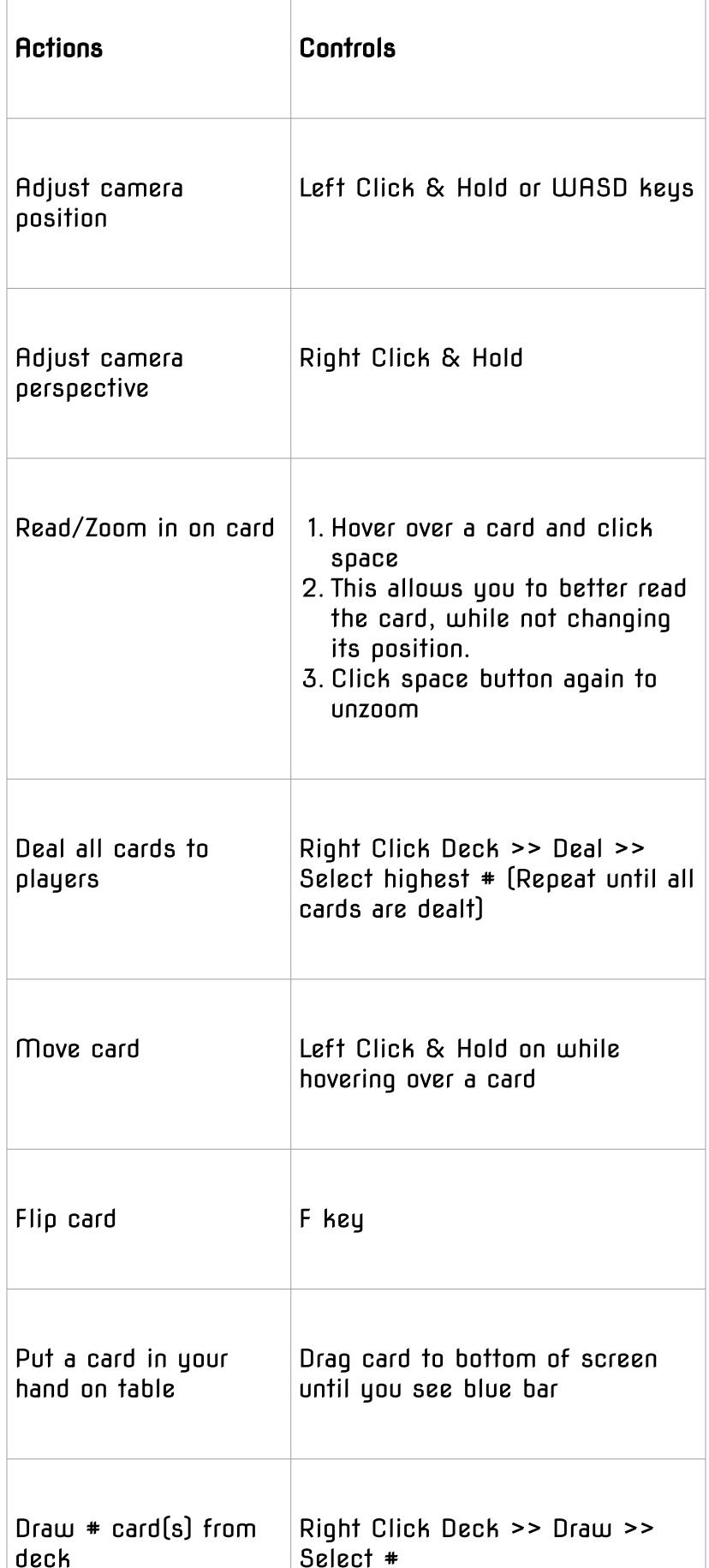
## Instructions



## In the bottom left hand corner during game play Click to open rule bock

Click to open rule bock
Click to see full controls of Tabletopia

Key Tabletopia Controls



5. An attacker can confuse a client because there are too

**6.** An attacker can spoof a server because identifiers aren't stored on the client and checked for consistency

on re-connection (that is, there's no key persistence). 7. An attacker can connect to a server or peer over a link that isn't authenticated (and encrypted).

8. An attacker could steal credentials stored on the server and reuse them (for example, a key is stored in a world

An attacker who gets a password can reuse it (use stronger authenticators).

An attacker can take advantage of your custom key exchange or integrity control which you built instead of using standard crypto.

3. An attacker can modify your build system and produce signed builds of your software

Your code makes access control decisions all over the

An attacker can replay data without detection because your code doesn't provide timestamps or sequence

6. An attacker can write to a data store your code relies

don't make names canonical before checking access

7. An attacker can bypass permissions because you

place, rather than with a security kernel.

**Spoofing** 

many ways to identify a server.

continued on back

Tampering

permissions.

require disclosing the old password).

A. You've invented a new Spoofing attack

doesn't force a change

Tampering cont.

Facebook account")

10 An attacker can alter information in a data store because it has weak/open permissions or includes a group which is equivalent to everyone ("anyone with a

Q. An attacker can change parameters over a trust boundary and after validation (for example, important parameters in a hidden field in HTML, passing a pointer to critical memory).

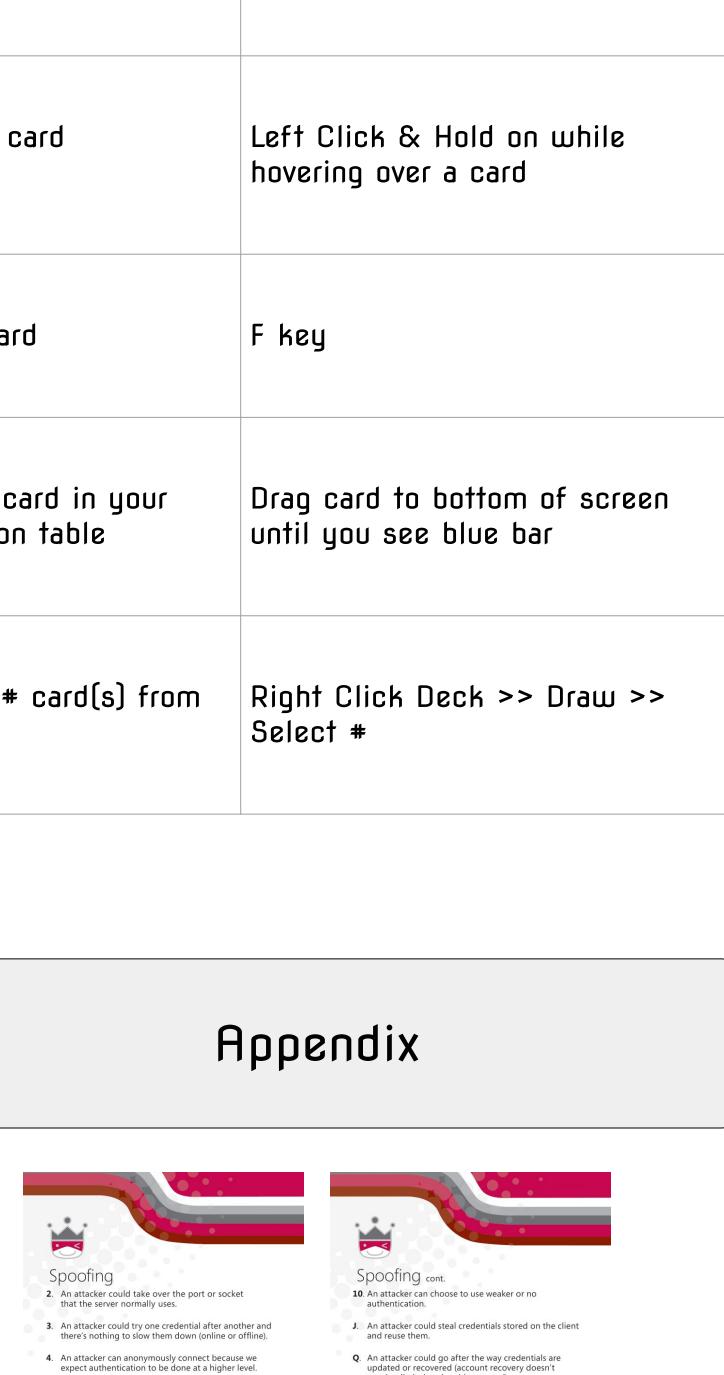
**K.** An attacker can load code inside your process via an extension point.

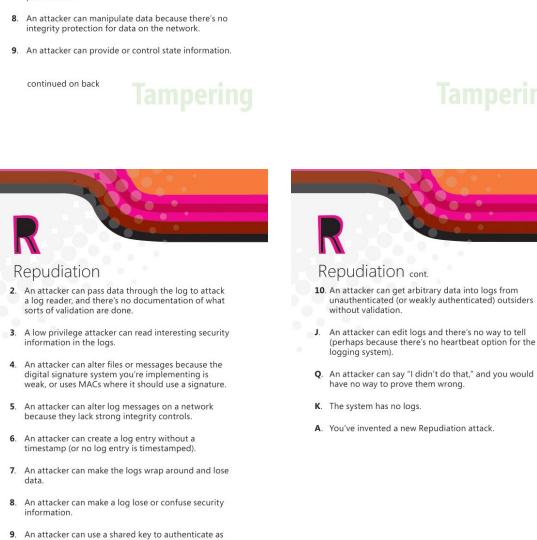
A. You've invented a new Tampering attack.

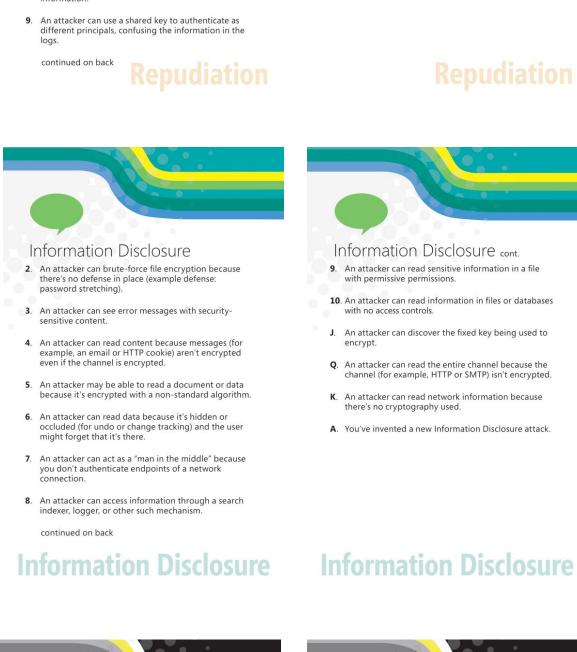
permissions are granted to the world or there are no ACLs. An attacker can write to some resource because

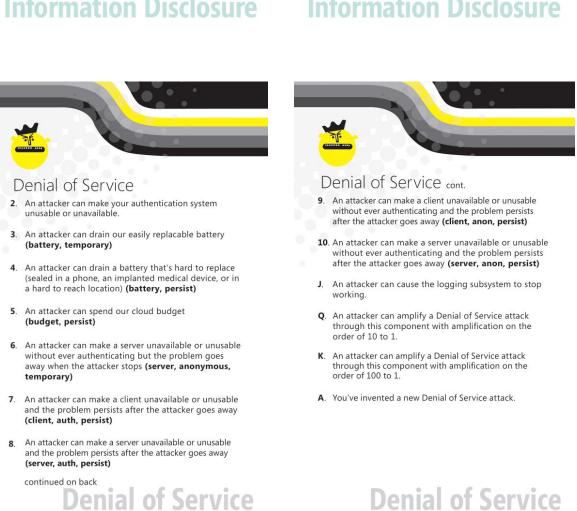
K. Your system ships with a default admin password and

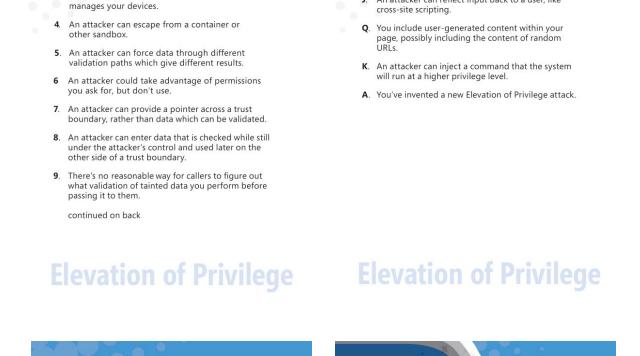
**Spoofing** 











Elevation of Privilege (EoP) 2. An attacker has compromised a key technology

3. An attacker can access the cloud service which

Elevation of Privilege (EoP) cont.

10. There's no reasonable way for a caller to figure out what security assumptions you make.

J. An attacker can reflect input back to a user, like

## Threat Modeling The Elevation of Privilege game is designed to be the easiest way to start looking at your design from a security perspective. It's one way to threat model, intended to be picked up and used by any development group. Because the game uses STRIDE threats, it gives you a framework for thinking, and specific actionable examples of those threats. Spoofing: Impersonating something or someone else. Tampering: Modifying data or code. Repudiation: Claiming not to have performed an action. Information Disclosure: Exposing information to someone not authorized to see it. Denial of Service: Denying or degrading service to users. Elevation of Privilege: Gain capabilities without proper

**About** 

**About** 

For more about the game, please visit

https://shostack.org/games/elevation-of-privilege Published by Agile Stationery agilestationery.com

About