THREAT MODELING helps you identify threats to the things you value and who you need to protect them from. When building a threat model, you can ask yourself the following questions.

- What do I want to protect?
- Who do I want to protect it from?
- What are the consequences if I fail?
- How likely are these consequences?
- How can I address the most likely risks?

THREAT MODELING GLOSSARY:

Asset: What I want to protect
Adversaries: Who I want to protect my assets from
Threats: What are the potential consequences if I fail?
Risk: The likelihood that a particular threat against a particular asset will actually occur
Adversary capability: What an adversary is able to do to achieve its aim. For example, a country’s security services might have the capability to listen to telephone calls while a neighbor may have the capability to watch you from their window. To say that an adversary “has” a capability does not mean that they will necessarily use that capability. It does mean that you should consider and prepare for the possibility.

Try it! Make a threat model for a jewelry store owner:

YOU inherit a JEWELRY STORE in the city. The JEWELRY STORE has:
- $1 million worth of diamonds.
- A staff of five people.
- An alarm system.
- A safe.
- A cash register.
- A camera monitoring the door.
- A pin-protected alarm for the door.

1. What assets are you protecting?
   - $1 million worth of diamonds
   - Money in the safe
   - Alarm code
   - Anything else?

2. Who are your adversaries?
   - Jewelry thieves
   - Anyone else? (Consider: Who might have access to the jewelry store safe? What about cleaning crews, or maintenance staff?)
   
3. What are the consequences if you fail?
   - Theft of jewelry
   - Any other threats? (What if the safe code or alarm code is stolen?)

4. How likely are these consequences?

5. How can you address the most likely risks?
   - Changing the passcode every month, and after an employee leaves.
   - What else?
How likely are these consequences? This depends on your adversaries' capabilities.
ASSESSING YOUR RISKS

READ MORE ABOUT ASSESSING YOUR RISKS AT HTTPS://SECURITYEDUCATIONCOMPANION.ORG

1. **ASSETS:**
   
   What do you want to protect?
   
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________
   __________________________________________

2. **ADVERSARIES:**
   
   Who do you want to protect it from?
   
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   What would motivate your adversaries?
   
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   What are your adversaries' capabilities?
   
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3. **CONSEQUENCES:**
   
   What are the consequences if you fail to protect those assets?
   
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   __________________________________________
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   __________________________________________
   __________________________________________

4. **LIKELIHOOD:**
   
   Map the likelihood on the next page!

5. **PROTECTIONS:**
   
   What kinds of protections make sense in response?
   
   Fill this section out after completing #4 on the back. Determining appropriate measures depends on your appetite for risk.
   
   __________________________________________
   __________________________________________
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   __________________________________________
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   __________________________________________

6. **PLAN FOR CHANGE:**
   
   Technologies and threats change. Plan to reassess your risks.
   
   I will reevaluate my threat model on: ________________