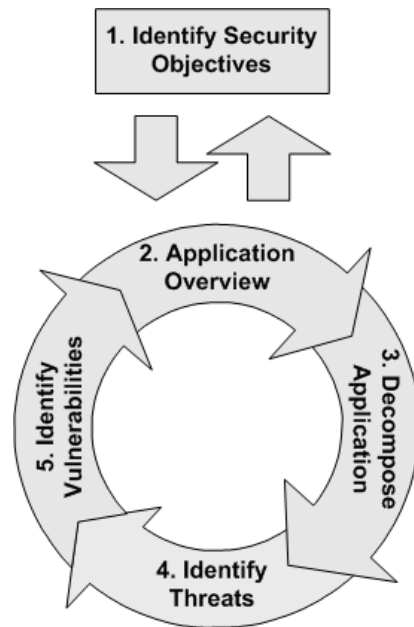


## Threat Model Concepts



## Vocabulary

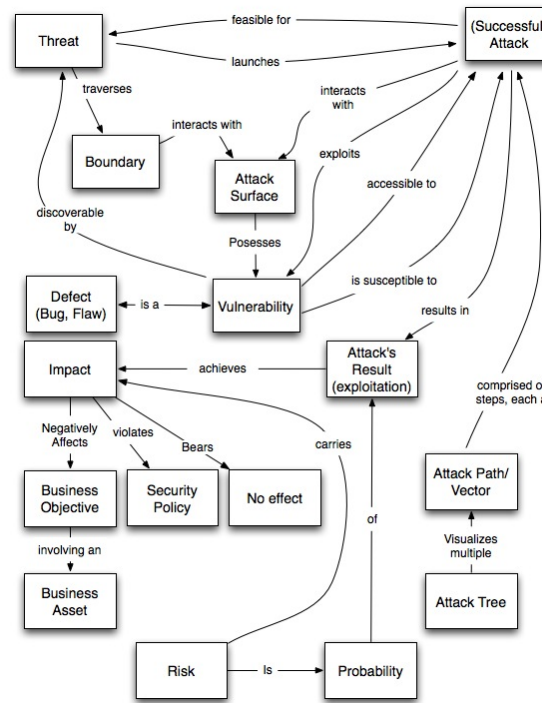


Image from <https://www.cigital.com/blog/threat-modeling-vocabulary/>

## DFD Elements

**External Entity**

The external entity shape is used to represent any entity outside the application that interacts with the application via an entry point

**Process**

Represents a task that handles data within the application. The task may process the data or perform an action based on the

**Multiple Process**

Used to present a collection of subprocesses. The multiple process can be broken down into its subprocesses in another DFD.

**Data Store**

Represents locations where data is stored

**Data Flow**

Represents data movement within the application. The direction of the data movement is represented by the arrow.

**Privilege Boundary**

Represent the change of privilege levels as the data flows through the application.

## Data Classification

image from <https://www.microsoft.com/security/data/>

## STRIDE

Threat	Description	Breaks
Sp spoofing	Pretending to be somebody else	Authentication
Tampering	Modifying data that should not be modifiable	Integrity
Repudiation	Claiming someone didn't do something	Non-Repudiation
Information Disclosure	Exposing information	Confidentiality
Denial of Service	Preventing a system from providing service	Availability
Elevation of Privilege	Doing things that one isn't supposed to do	Authorization