

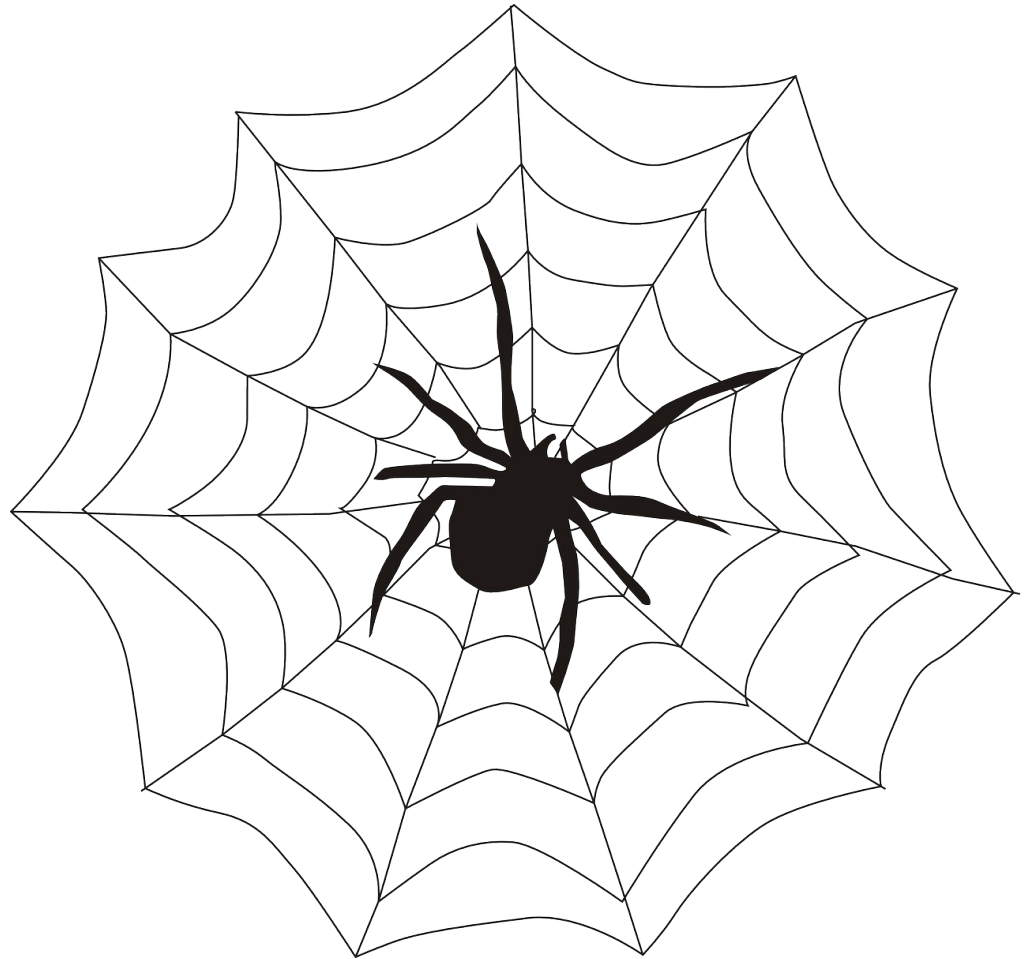
HackerFrogs Afterschool Web App Hacking Intro

Class:
Web App Hacking

Workshop Number:
AS-WEB-00

Document Version:
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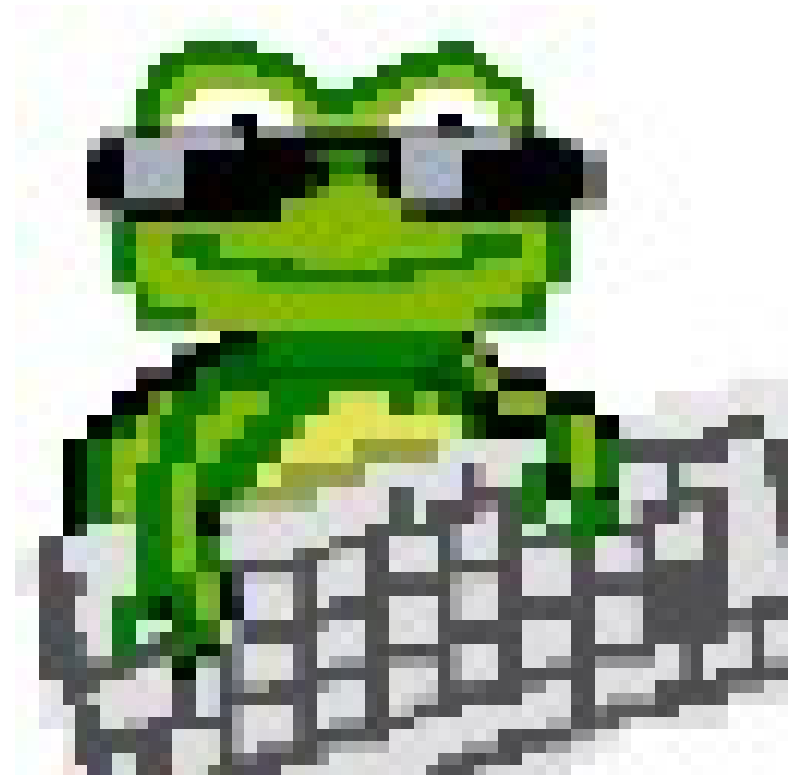
Special Requirements:
None



Welcome to HackerFrogs Afterschool!

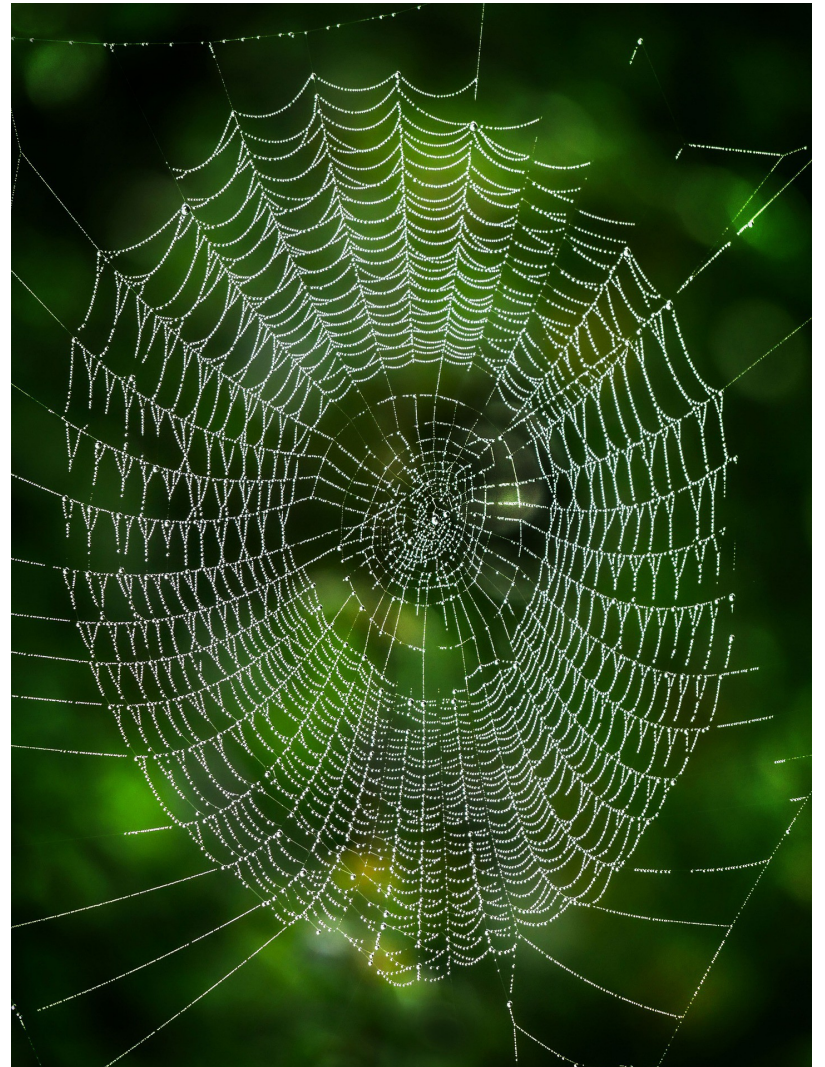
HackerFrogs Afterschool
is a cybersecurity program
for learning beginner
cybersecurity skill across a
wide variety of subjects.

This video is the intro
to web app hacking.



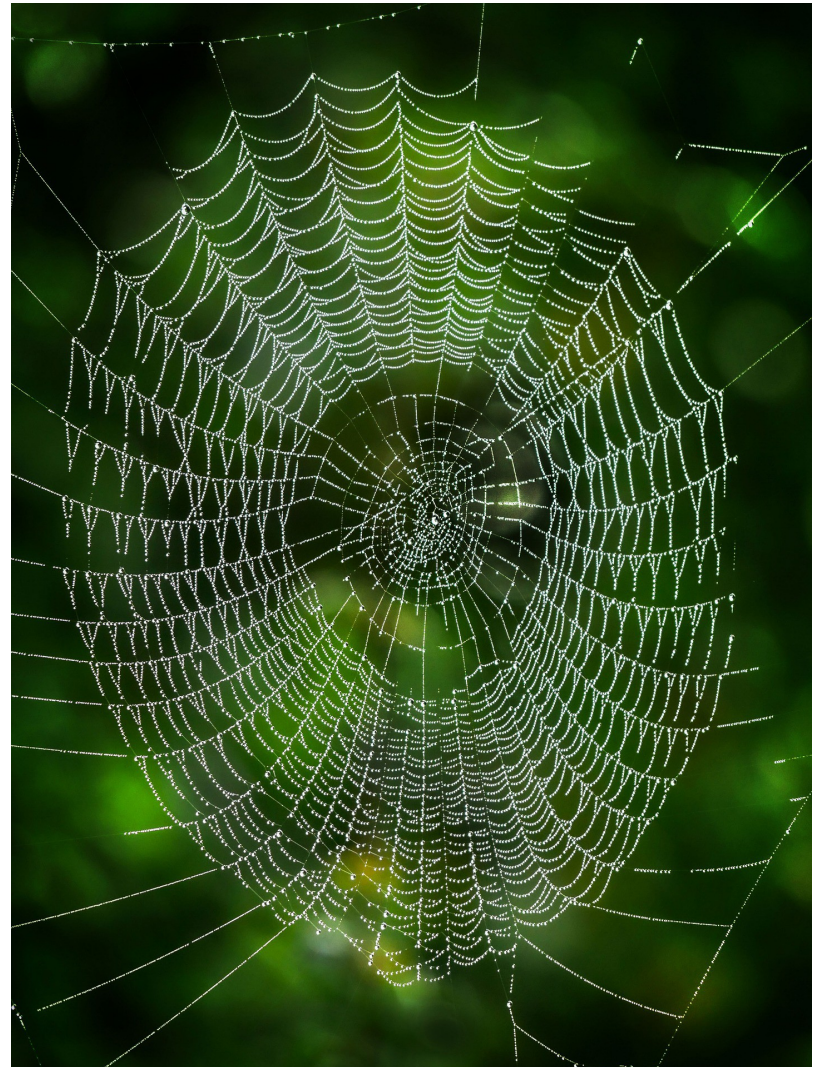
What is Web App Hacking?

Web app hacking is the intentional abuse of systems and applications accessed via the internet by a user, which benefits that user in some way.



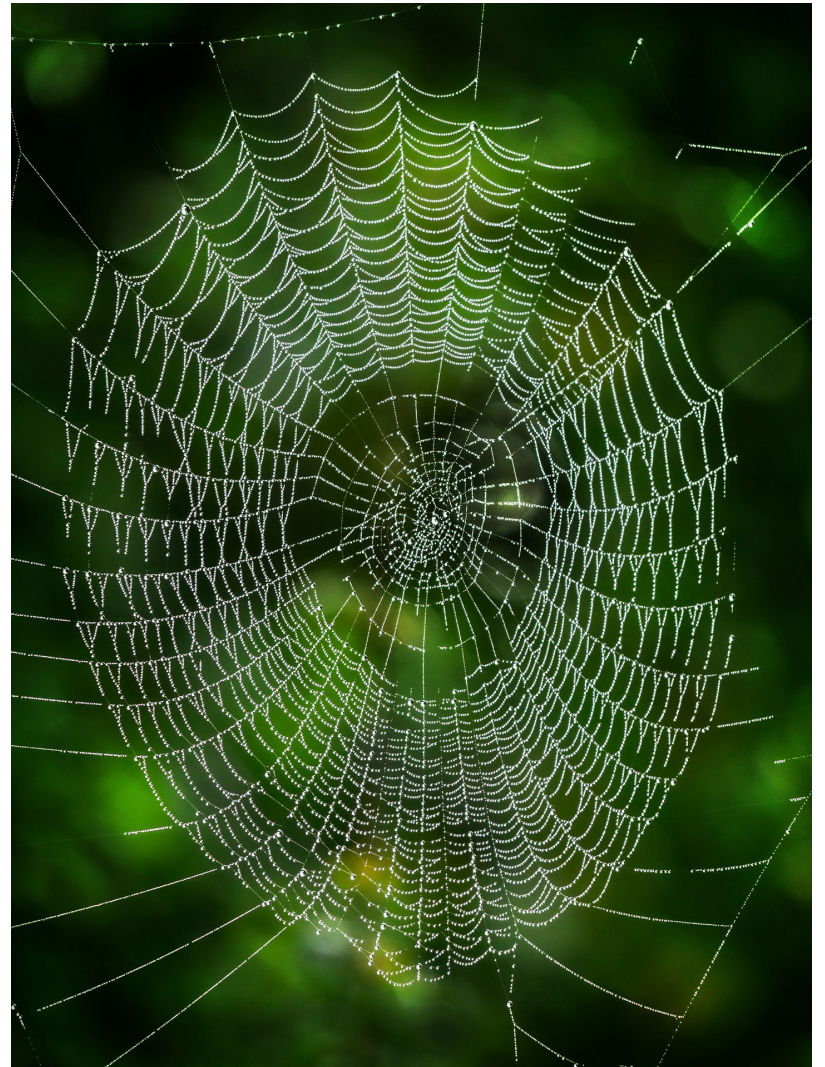
What is Web App Hacking?

This benefit can take the form of access to unauthorized data or systems, the deletion of data, denial of website services, or any number of other benefits.



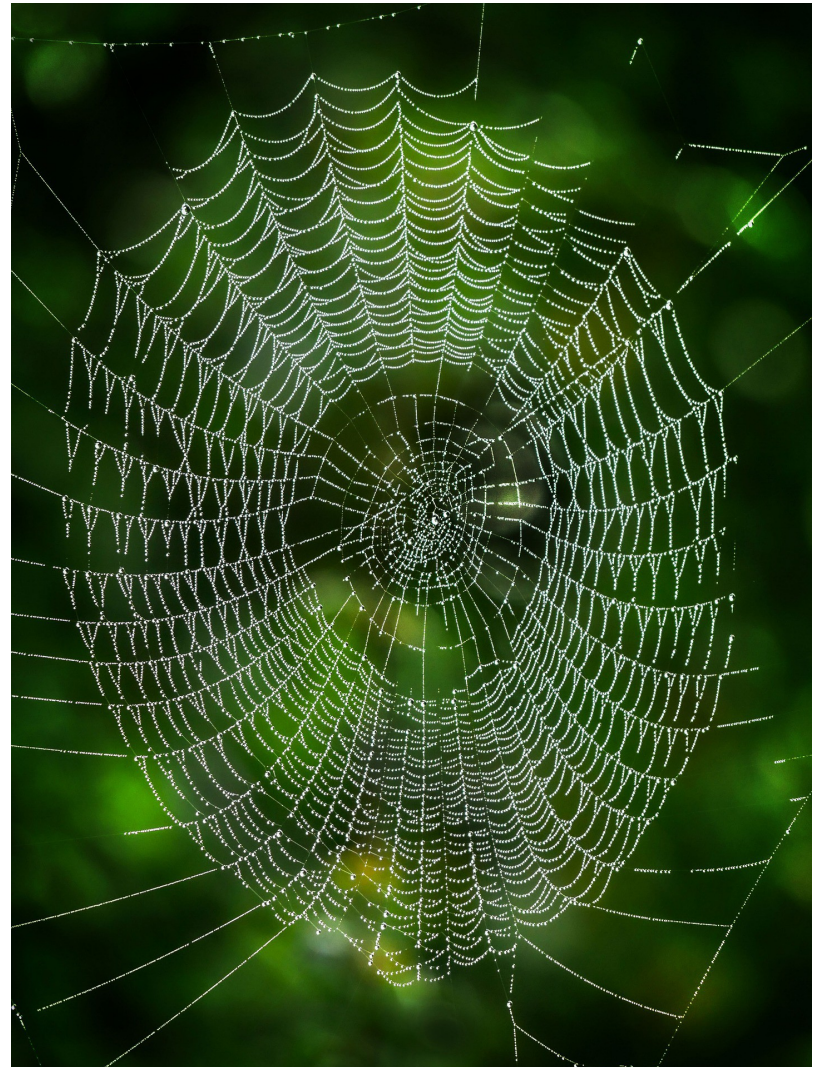
What is Web App Hacking?

In order to learn web app hacking, we must learn about the internet, how websites work, and a good amount about the technologies and software found in that space.



What is Web App Hacking?

Most students know at least the basics of using a web browser and how to use websites, so we will build on those skills to establish a collection of techniques to explore and hack web applications found on the internet.



What is Web App Hacking?

It is important to note, that at no time during our study of web app hacking will we engage in testing or hacking of websites or internet spaces that:

a) we do not own, or

b) are not intentionally setup as learning environments for web app hacking education

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What are CTFs?

HackerFrogs
Afterschool classes
prefer to incorporate
CTF games into
classes for a more
interactive
experience, but
what are CTFs?



What are CTFs?

Cybersecurity Capture The Flag (CTF) games are training exercises where the goal of the exercise is to “capture the flag” through use of cybersecurity skills.



What are CTFs?

In this context,
“capture” means to
gain access to a file
or other resource,
and “flag” refers to
a secret phrase
or password.



Natas CTF

The CTF game we will be playing to learn basic web app hacking skills is called Natas, which is hosted on the OverTheWire CTF network. The OverTheWire network hosts several different CTF games.



Natas CTF

The Natas CTF game is made up of many levels of increasing difficulty. The initial levels (0-10) cover the target web app hacking techniques for this course.



What's Next?

In the next workshop, we'll begin our journey into web exploitation with the Natas CTF game.



Until Next Time, HackerFrogs!

