



# SecureBug

Gamification Methodology

## SecureBug Gamification Methodology

**Privilege** in the SecureBug Society has been defined based on a Gamification, which is designed by a Coining method as well as earning hunters Reputation according to their Resolved Reports, Reward Program and Severity of Vulnerabilities in the report submission.

This methodology can help us to apprise customers of the Agility and Impact of hunter's activities to simplify choosing the desired hunter with the best rank from hunter's leaderboard.

**Reputation** will be tarnished by some factors such as Not Applicable Reports, Duplication of Reports and Spamming.

**SBcoin** is a system of internal currency in general use in the SecureBug platform. In the Coining Gamification there are different ways of earning SBcoins. Hunters are able to reap the SBcoins by passing the Vetting Process, Hacking Challenges, Invitation of the Friends and any Recommendation to patch the vulnerabilities.

So, Hunters compete with each other and establish superiority over others according to their Privilege and Ranking of hunters based on their highest privilege. Hunters with the same privilege (summation of Reputation and SBcoining) get a rank based on their Agility (Reputation per Report) and Impact (Reputation Per Bounty).

"The first 3 highest ranks in the Platform will be presented with awards at the International Computer Security Day, November 30, in Gothenburg, Sweden.

The award winners receive a Handmade Statue in the Shape of the TYR God of War along with an Official Certification as the "Best Hunter in the Nordic" and an Equity in a company, which means you have a share stake in the business you're helping to build and grow."



*The Tyr God of War*



# SHAREHOLDER AGREEMENT

THIS SHAREHOLDER AGREEMENT made this 18th day of February 2020.

Between:

\_\_\_\_\_ of \_\_\_\_\_ OF THE FIRST PART  
and  
\_\_\_\_\_ of \_\_\_\_\_ OF THE SECOND PART

Background:

- A. The Corporation is incorporated under the Sweden Business Corporation Law (the «ACT»)
- B. The Shareholders have decide to enter into this agreement (the «Agreement») to govern their respective interests, obligations, ownership and rights in the Corporation.
- C. All of the Shareholders have executed this Agreement.



Signature of [Name]  
[Title]

Signature of [Name]  
[Title]



Shareholder Agreement



# CERTIFICATE OF APPRECIATION

PROUDLY PRESENTED TO

Name Surname

LOREM IPSUM DOLOR SIT AMET, CONSECTEUR  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh  
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volutpat. Quis nostrud erosui daret enim imperdiet, libero in mattis et aliquam  
consequat. Duis autem vel eum iure dolor in hendrerit in vulputate velit esse



Signature of [Name]  
[Title]

Signature of [Name]  
[Title]



Certificate

## Privilege Facts

### Reputation:

This is the point you earn or lose regarding the fact that whether your reports are valid or not. The size of the reward bounty as well as how critical the reported vulnerability is, has a role to play.

### Accepted Report Per Reward:

The reports that are accepted to get vulnerability rewards program, where 1000kr is equivalent to 1 Reputation point.

### Accepted Report Per Severity:

Rating to show how Severe the vulnerability is in the report submission form; Low, Medium, High and Critical respectively equivalent to 10,20,30,40 Reputation Points (This metric is calculated based on CVSS V.3)

### Valid Report:

This includes Resolved Reports, which will result in +8 Reputation Points. Any Report closed with a state other than resolved will be deducted from the whole number of reports.

### Not Applicable Report:

The report is not related to a certain case or it does not address the issue. This results in - 4 Reputation Points.

### Duplicate Report:

This is considered a report which is identical with another report in the sense that it was previously submitted addressing the same issue. If the duplicate report is made prior to publishing the original report, it earns 1/10 as many reputation points as the original report. A duplicate report received after the original report is made public leads to - 8 and Spams result in -10 points. In case it is not an applicable report, it equals - 4 points.

## SBCoin:

### SecureBug Platform currency

#### Affiliate Link:

Specific URL that contains the affiliate's ID or username to record the traffic that is sent to invite others to the platform, passed vetting process and being active. SB Coin is equivalent to +1 for invitation and +5 for valid resolved reports from invited person.

#### Vetting process:

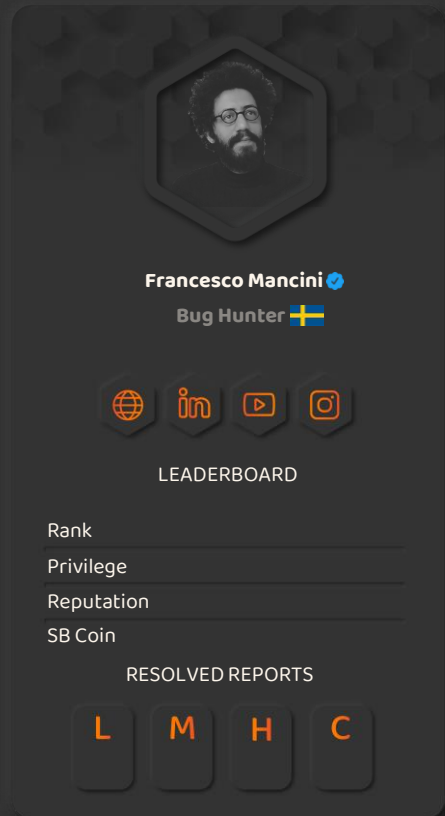
The process of thoroughly investigating an individual including assessment and verification of all valid certifications and transparency compliance. Skills assessment and performance monitoring and ID verification are equivalent to 50 SBcoin.

#### Hacking Challenge and CTF:

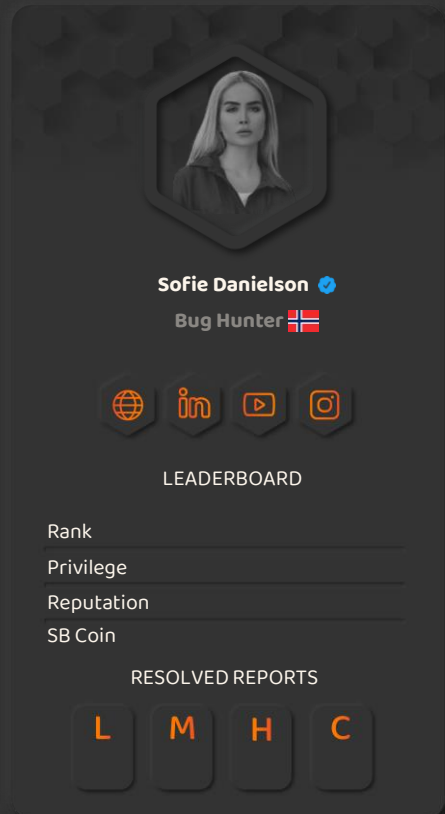
Either entrance challenge or monthly skill assessment to evaluate the ability and knowledge of hunters. If hunters are able to pass Basic, Intermediate and advance challenges, they can earn between +3 and +5 SBcoins.

#### Mitigation and Recommendation:

If hunters recommend a mitigation to reduce the risk of vulnerabilities, they can earn +2 SBcoin



Profile card for Francesco Mancini, a Bug Hunter from Sweden. The card features a hexagonal profile picture, a verified status, and social media icons for a globe, LinkedIn, YouTube, and Instagram. Below the icons is a 'LEADERBOARD' section with four bars representing Rank, Privilege, Reputation, and SB Coin. At the bottom is a 'RESOLVED REPORTS' section with four buttons labeled L, M, H, and C.



Profile card for Sofie Danielson, a Bug Hunter from Denmark. The card features a hexagonal profile picture, a verified status, and social media icons for a globe, LinkedIn, YouTube, and Instagram. Below the icons is a 'LEADERBOARD' section with four bars representing Rank, Privilege, Reputation, and SB Coin. At the bottom is a 'RESOLVED REPORTS' section with four buttons labeled L, M, H, and C.

## Gamification Board Example:

Effect	Reputation	Francesco	Sofie
SecureBug Sign up	+100	+100	+100
<b>Agility (Reputation per Report)</b>			
	Reputation	Calculation	Calculation
Valid Report	1 report = +8	5 Report $\times (+8) = 40$	6 Report $\times (+8) = 48$
Report Not Applicable	1 report = -4	4Report $\times (-4) = -16$	4 Report $\times (-4) = -16$
Duplicated N/A Duplicate of a resolved report submitted after the report is made public	1 report = -8	1Report $\times (-8) = -8$	No Dup
Spam	1Report $\times (-10) = -10$	No spam	1 Report $\times (-10) = -10$
<b>Total</b>		Result = 16 Reputation In 10 Reports	Result = 22 Reputation In 11 Reports

Effect	Reputation	Francesco	Sofie
SecureBug Sign up	+100	+100	+100
<b>Impact (Reputation per Bounty)</b>			
Valid Report Per Severity	Low = 10rep Medium = 20rep High = 30rep Critical = 40rep	4 L $\times 10 = 40$ Rep 3 M $\times 20 = 60$ Rep 1 H $\times 30 = 30$ Rep 1 C $\times 40 = 40$	5 L $\times 10 = 50$ 4 M $\times 20 = 80$ 1 H $\times 30 = 30$ 1 C $\times 40 = 40$
Valid Report Per Price	Per 1000kr = 1 rep	100k SEK = 100 REP	250K SEK = 250 REP
Duplicate report before public	Original Valid Report REWARD/10	10K SEK $\div 10 = 1$ REP	No Dup
<b>TOTAL</b>	-	271 Reputation, 10 reports	450 reputation, 11 reports
<b>Result</b>	Sum Reports	Sum Rep Hunter1	Sum Rep Hunter2
<b>SUM Reputation</b>	-	$(16) + (271) = 287$	$(22) + (450) = 472$
<b>Agility</b>	-	$16 \div 10 = 1,6$	$22 \div 11 = 2$
<b>Impact</b>	-	$271 \div 10 = 27,1$	$450 \div 11 = 40,90$



Francesco Mancini

Bug Hunter



LEADERBOARD

Rank	2
Privilege	356
Reputation	287
SB Coin	69

RESOLVED REPORTS

L	M	H	C
4	3	1	1

1. Pass vetting process = 50 SB coin
2. CTF medium = 4 SB coin
3. Invite 5 friends = 5 SB coin
4. 2 active invited = 10 SB coin

**Total = 69 SB coin**

1. Reputation = 287
2. SB Coin = 69

**Total Privilege = 356**



**Hunter 1 = rank 2**



Sofie Danielson

Bug Hunter



LEADERBOARD

Rank	1
Privilege	531
Reputation	472
SB Coin	59

RESOLVED REPORTS

L	M	H	C
5	4	1	1

1. Pass vetting process = 50 SB coin
2. CTF medium = 3 SB coin
3. Invite 5 friends = 1 SB coin
4. 2 active invited = 5 SB coin

**Total = 59 SB coin**

1. Reputation = 472
2. SB Coin = 59

**Total Privilege = 531**



**Hunter 2 = rank 1**

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Security Platform



SecureBug

[www.SecureBug.se](http://www.SecureBug.se)