

## **Introduction**

My website idea is to develop a bug bounty platform for my country, where local companies can register and offer awards to ethical hackers in return for an exploitable bug they find. Such a platform plays a crucial role for a country since it enables enterprises to find their vulnerabilities faster than black-hat hackers and fix them before being exploited. Penetration testers also benefit from this website by gaining hacking experience and earning money. Hackers develop attention-grabbing profiles by gaining points from their successful bug reports and placing their CVs for recruiters. This website can also be a good place for hirers to find knowledgeable employees to work in-door. Currently I am working in a team who started this project and is very close to complete it successfully.

## **Expected List of Features**

This bug bounty platform is supposed to offer authentication&authorization, report submitting, list of companies who offer bounty, a chance for companies to create multiple bounties with different domains and policies, and leaderboard where hackers show up with their reputation points. We will ensure privacy and confidentiality through asymmetric encryption.

## **Market Survey**

This idea has been implemented many times internationally over the last decades. Instances are “HackerOne”, “BugCrowd”, “InternetBugBounty” and “FireBounty”. Most of the mentioned features are included in these platforms in different ways. Their authentication systems do not collect data as much as we do, since we require hackers to supply their identification information for legal procedures. We also aim at simplicity and great UI/UX which, in my opinion, lack in famous websites like HackerOne and BugCrowd. We did not observe a feature to create more than one bounty in these examples. We do not have enough information about how they deliver reports to companies and whether they provide encryption.

## **References**

HackerOne: <https://www.hackerone.com>

BugCrowd: <https://www.bugcrowd.com>

InternetBugBounty: <https://internetbugbounty.org>

FireBounty: <https://firebounty.com>