

Puzzle Hunt Participant Briefing

Welcome to the LLNL Clinic Team's Puzzle Hunt! Thank you for signing up. What follows is a high-level overview of the puzzle hunt's objectives and some tips we have so you can get the most out of your puzzle hunt experience.

Motivation:

Lawrence Livermore National Labs has asked our clinic team to design a procedure that gets people to have fun while collecting data to validate their radiation detection algorithms. When you walk around the campuses completing puzzles, the phone will report back location, time, and radiation data which will be used to improve the performance of software that locates radiation sources. Ultimately, this improves nuclear security. Please note that your location will be recorded throughout the deployment.

Puzzle Hunt Gameplay:

To play the puzzle hunt, you solve a series of puzzles which we have scattered around the Claremont Colleges' campuses. To win, you get the most points. Here's how you earn points.

Trigger	Points Awarded
Walk 15 steps	1
Scan a puzzle QR code	5
Complete a puzzle	20
Scan a bonus QR code	20

Rules:

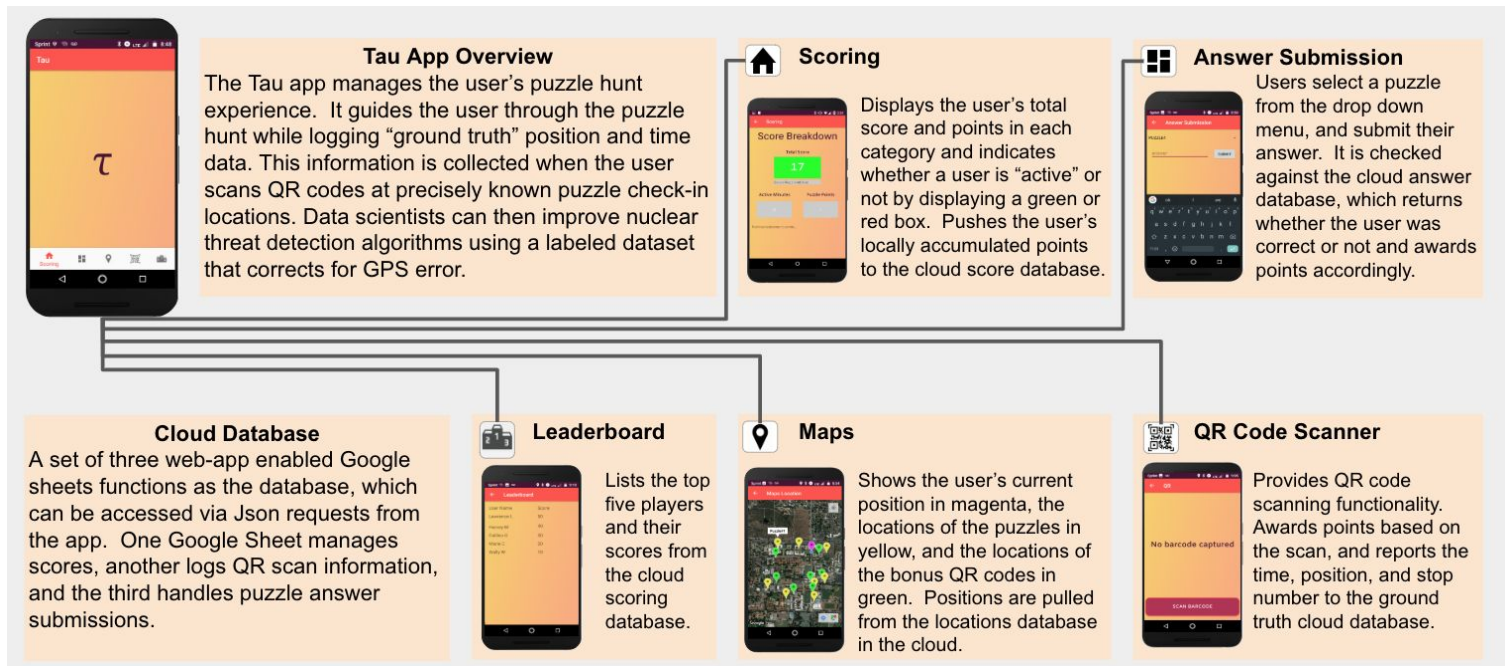
- To win, you must complete all the puzzles
- You cannot scan the same puzzle QR code multiple times in a row
- You may earn points only for a two-hour period
- No cheating: no hacking, spoofing the step detector, moving QR codes from their original locations, or otherwise violating the spirit or letter of the gameplay rules.

Puzzle Hunt Structure:

There are seven puzzles and one final meta-puzzle. You do not need to complete them, sequentially, but there is an amusing storyline to follow if you do. Correctly submitting a puzzle answer unlocks the corresponding bonus QR code scan.

Using the App:

We have supplied an app to organize your puzzle-hunt efforts. With the Tau app, you can view your current score, submit answers, view others' scores on a leaderboard, view the locations of QR scans, and scan QR codes. You will find the app installed on your phone.



App tips:

- Before starting, open the Maps page. This starts location services running in the background and ensures your data is properly geo-tagged.
- Regularly check your score on the Scoring tab. Doing so updates your position on the leaderboard and allows us to track your progress.
- After taking 3,000 steps, your new step count resets to zero. Make sure that you open the Scoring tab before that happens so your step progress is not lost.

Bon Voyage:

The LLNL Clinic Team is proud of the procedure we have created and hope you enjoy it. If you have any questions at all during the hunt, please let us know in person, at our email address, or via phone. Happy hunting!

Scott Montague (206) 660-7537

Tim Player (206) 914-6360

Lydia Sylla (603) 828-9163

Richie Harris (760)-809-5696

clinic-llnl-l@g.hmc.edu