

Axon by AppLovin Prize Track Challenge

Goal:

Build a fully playable, **self-contained mobile browser game** with a total bundle size **under 15 KB**.

***How this relates to Axon by Applovin:** We serve interactive experiences that need to work across all devices, with any network quality.*

Parameters:

In order to be eligible to win:

- Must be runnable via our provided script, which supports zstd/brotli/gzip
- Compression artifact must be <15KB (15360 bytes)
- No runtime network requests allowed

Please see the script at the end of the doc.

Judging Criteria:

Judged on a hackathon team's device; checked on modern Android and iPhone

- Best overall (each weighted equally):
 - Fun
 - Creativity
 - Completeness (playable without instructions or external dependencies)
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Prize Levels:

A team can win one main prize AND up to one bonus prize, **OR a team can win up to one of the bonus prizes only**

Main Prizes:

- 1st place: \$4,000
- 2nd place: \$3,000
- 3rd place: \$2,000

Bonus Prizes:

- Best Online Upgrade – **\$1,000**
 - Most value added when wifi is turned on (game works without wifi, but when wifi comes on you get a nice lift)
 - Best Audio Design - **\$1,000**
 - Most Binge Worthy (bonus points for ruining someone's sleep schedule) - **\$500**
 - The “this feels like you cheated” Award - **\$500**
 - The “how did you even think of this?” Award - **\$500**
 - Best use of scotty dog (CMU Mascot) - **\$500**
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Script:

```
Shell
#!/usr/bin/env bash
set -euo pipefail

ARCHIVE="$1"
OUT_DIR="extracted"

rm -rf "$OUT_DIR"
mkdir -p "$OUT_DIR"
```

```
ls -lh "$ARCHIVE"

case "$ARCHIVE" in
  *.tar.gz)
    tar -xzf "$ARCHIVE" -C "$OUT_DIR"
    ;;
  *.tar.br)
    brotli -d "$ARCHIVE" -o "${ARCHIVE%.br}"
    tar -xf "${ARCHIVE%.br}" -C "$OUT_DIR"
    rm "${ARCHIVE%.br}"
    ;;
  *.tar.zst)
    zstd -d "$ARCHIVE" -o "${ARCHIVE%.zst}"
    tar -xf "${ARCHIVE%.zst}" -C "$OUT_DIR"
    rm "${ARCHIVE%.zst}"
    ;;
  *)
    echo "Unsupported archive format"
    exit 1
    ;;
esac

echo "Extraction successful"

echo "Starting HTTP server on port 8000..."
cd "$OUT_DIR"
python3 -m http.server 8000
```