

ANASKAFI - Archaeological Logging Tool

ANASKAFI is a web-based, offline-capable data collection app designed for archaeological fieldwork and excavation recording.

Features

- Field survey and excavation data entry forms
 - Drawing canvas for field sketches
 - GPS coordinate logging
 - Photo upload capability
 - Offline support using IndexedDB and PWA
 - Export to CSV/JSON for easy archiving or analysis
 - Installable on Android and desktop devices as a PWA
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Installation

Option 1: Local Use with Web Server

1. Unzip the project folder.
2. Open a terminal in the project directory.
3. Start a simple local server (choose one):

```
```bash
```

## If you have Node.js

```
npx http-server .
```

## OR Python 3

```
python -m http.server ```
```

1. Open your browser and go to: <http://localhost:8080>
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## Install as a Mobile App (Android)

1. Open the app URL in **Chrome on your Android device**.
2. Tap the **⋮** menu and choose **"Add to Home screen"**.
3. The app will install and run like a native app with offline access.



## How to Use

### Field Data Entry

1. Fill in:
  - Date, Username, Site Name, Grid Number
  - Environmental attributes and notes
2. Use the **Drawing Area** to sketch features.
3. Tap **Submit Data** to store locally.

### Excavation Data Entry

1. Scroll to the **Excavation Data** section.
2. Enter:
  - Stratigraphy Unit, Trench, Supervisor, Open/Close Dates
  - Layer description, preservation, contamination, and notes
3. Tap **Submit Excavation** to store separately.

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## Exporting Data

- Use the **Export CSV** or **Export JSON** buttons to download survey entries.
- Use **Export Excavation CSV** to download excavation layers.
- All data is stored locally and can be cleared with the **Clear All Data** button (with confirmation).

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## Requirements

- A modern browser (Chrome recommended for installability)
- Local server for PWA functionality (see above)

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## Credits

Developed by Dr. Vayia V. Panagiotidis Iconography and design: ANASKAFI team