

# BoniBuddy App Summary (One Page)

## What it is

BoniBuddy is a FastAPI web app for finding meal company and coordinating a shared go-time at student-subsidy restaurants. It currently defaults to a waiting-board workflow, with a legacy one-to-one matching flow still present in code.

## Who it is for

Primary persona: students using Slovenian student meal subsidies (boni), especially users coordinating lunch plans around Ljubljana listings.

## What it does

- Browses and searches restaurants loaded from data/restaurants.json.
- Shows active counts and handles for a selected go-time window per restaurant.
- Lets users publish a plan, join others, and cancel via form posts.
- Provides a live feed and waiting-board updates via JSON polling endpoints.
- Supports legacy mutual-preference matching with waiting/matched/expired states.
- Supports installable PWA behavior and optional web push notifications.
- Sends best-effort GA4 analytics events for core interactions.

## How it works (repo evidence)

- UI: Jinja templates in templates/ plus vanilla JS polling (/api/feed, /api/waiting\_board/{id}, /status/{rid}).
- Web/API: FastAPI routes in app.py render pages, accept form actions, and serve JSON.
- Domain logic: engine\_web.py handles restaurant loading, waiting slots, cleanup, and matching rules.
- Data/state: seed data from data/restaurants.json; runtime state kept in in-memory dict/list structures.
- Integrations: optional VAPID web push (pywebpush) and GA4 Measurement Protocol env vars.
- Flow: Browser request -> FastAPI route -> engine query/mutation -> HTML or JSON -> client refresh.

## How to run (minimal)

1. Use Python 3.11 (runtime.txt pins 3.11.9) and create/activate a virtual environment.
2. Install dependencies: pip install -r requirements.txt.
3. Start app (inferred from FastAPI app object and uvicorn dependency): uvicorn app:app --reload --port 8000.
4. Open http://127.0.0.1:8000 in a browser.
5. Optional env vars for extras: FEATURE\_WAITING\_BOARD, VAPID\_PUBLIC\_KEY, VAPID\_PRIVATE\_KEY, VAPID\_SUBJECT, GA4\_MEASUREMENT\_ID, GA4\_API\_SECRET.
6. Official README/start script: Not found in repo.