

5.1 Scenario: Building "Bento" — a Meal Prep SaaS

Use Case: Building "Bento" — a Meal Prep SaaS

Let's walk through how the ALAI system would build a completely new product from CEO idea to deployed MVP.

The Idea

“Alem: "We need a meal prep subscription SaaS for the Nordic market. Next.js frontend, Kotlin/Ktor backend, PostgreSQL. Call it Bento."

Step 1: Task Creation in Mission Control

Alem (or John) creates the initial tasks:

```
node mc.js add "Bento: Project scaffold – Next.js frontend + Kotlin/Ktor API" -p H -t alem
node mc.js add "Bento: Database schema design – users, subscriptions, meals, deliveries" -p H
node mc.js add "Bento: Landing page design – Nordic minimalist, hero + pricing + CTA" -p H
node mc.js add "Bento: API – user auth + subscription management endpoints" -p H
node mc.js add "Bento: Frontend – meal selection + checkout flow" -p H
```

These 5 tasks enter MC as `[open]` status.

Step 2: Pi-Orchestrator Picks Up Tasks

Within 30 seconds, the orchestrator wakes up:

```
[INFO] Found task #4001: Bento: Project scaffold – Next.js frontend + Kotlin/Ktor API
[INFO] Task #4001 classified: complexity=3 domain=code type=scaffold
[INFO] Task #4001 → llama-tool (kimi-k2.5:tq1 on forge)
```

Classification logic:

- "Project scaffold" + "Next.js" + "Kotlin/Ktor" → domain: code, type: scaffold, complexity: 3
- Complexity 3 → Tier 3 model (Kimi K2.5 on FORGE)

Routing:

- "Next.js frontend" → keyword match → **CodeCraft** (fullstack covers both)
- CodeCraft's soul + blueprints are injected into the prompt

Step 3: CodeCraft Builds It

The agent receives a prompt containing:

1. CodeCraft's company identity and coding standards
2. The `nextjs-app.yaml` blueprint template
3. The task description
4. Relevant HiveMind context (if any previous Bento-related work exists)

Agent output:

- Project structure created
- `package.json`, `docker-compose.yml`, `README.md`
- Basic Next.js pages + Kotlin API skeleton
- GOTCHA file written as proof of work

```
[INFO] Auto QA prep completed for task #4001
[INFO] Task #4001 completed via llama-server/kimi-k2.5:tq1 (912s)
```

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