

TaxiBaba 6-Month Sprint Plan

Sprint 0 (Weeks 0-2)

Goal: Setup & Foundation

Setup Repositories & Tools

- Create GitHub repo with backend, mobile-rider, mobile-captain, admin-web.
- Install JDK 17, IntelliJ/VSCode, Flutter SDK, Postgres, Docker.

Backend Skeleton

- Create Spring Boot starter project.
- Setup JWT authentication with mock OTP service.

Mobile Apps

- Create Rider & Captain Flutter apps.
- Add Hello World screen and basic login UI.

Documentation

- Write architecture decision records (ADRs).

Sprint 1 (Weeks 3-4)

Goal: Authentication & Users

Backend

- Implement OTP auth APIs (/auth/send, /auth/verify).
- Create Users, Captains, Riders tables in DB.

Mobile Apps

- Rider app: OTP login → save JWT → home map screen.
- Captain app: OTP login → static KYC form.

Testing

- Create Postman collection for Auth APIs.

Sprint 2 (Weeks 5-6)

Goal: Trips — Core Ride Flow

Backend

- Trips table + trip state machine (requested, assigned, in-progress, completed).
- Dispatch: Assign nearest Captain by geo-distance.

Rider App

- Pickup/drop selection using map API.
- Display Captain info and trip progress.

Captain App

- Go Online/Offline.
- Receive trip request, accept/reject.
- Mark trip complete.

Payments

- Cash payment only.

Sprint 3 (Weeks 7-8)

Goal: Wallets & Commission

Backend

- Wallets + Transactions tables.
- Implement 5% commission per trip deduction.

Captain App

- Wallet screen with earnings summary.

Admin Dashboard

- Trips view with commission details.

Courier Flow

- Add courier trip type (parcel size & notes).

Sprint 4 (Weeks 9-10)

Goal: Courier Add-ons & Safety

Backend

- Courier table (parcel photos, POD OTP).

Rider App

- Courier flow: upload parcel photo, enter delivery OTP.

Captain App

- Upload delivery photo and enter OTP to complete trip.

Safety

- Rider SOS button (send trip & location to admin).

Support

- Support tickets table + API.

Sprint 5 (Weeks 11-12)

Goal: Payments & Notifications

Payments

- Rider app: UPI intent integration.
- Backend: Wallet → payout ledger.
- Captain payouts: daily settlement API.

Notifications

- Push notifications via FCM.
- In-app chat using WebSocket.

Admin Dashboard

- Basic metrics: trips, revenue, active captains.

Sprint 6 (Weeks 13-14)

Goal: Pilot Prep & Bug Fixes

Stabilization

- Bug fixes & polish (loading states, error handling).
- Regression testing.

Pilot Testing

- Beta test with ~10 Riders, ~5 Captains.

Branding & Docs

- Logo, splash screen.
- ToS, Privacy Policy, Support email.

Deployment

- Deploy backend on cloud (AWS/GCP).
- DB on RDS/CloudSQL.