

Your Message in a Bottle (YMIB) ? Fresh Project Kick?off

1. Summary of Previous App Tabs

The old Expo?Router setup defined **two** bottom?tab routes:

- ? **Home** (index screen) ? placeholder ?Welcome? page
- ? **Explore** ? intended map view (placeholder content)

Recommended tab set for the new build:

Tab	Purpose	Notes
Home	Toss a bottle (form & FAB), intro cards	Make this the first?run tutorial as well
Explore	World map with clustered markers	Real?time supabase subscription
Feed	Public timeline of found/replied bottles	List + detail modal
Profile	User stats, settings, log?in/out	Supabase Auth UI

(Optionally add **Stats** as a screen inside Feed.)

2. Clean?Start Blueprint (recap)

- ? GitHub: new **private** repo `ymib-mobile`
- ? Supabase: new project; run schema & RLS SQL (see section 4)
- ? Expo SDK 52 (or the newest stable) created via `create-expo-app`
- ? Env vars **never** committed (`.env`, `.env.example`)
- ? CI: ESLint + Jest + gitleaks ? EAS build preview

3. Map & Clustering ? iOS Gotchas

* Library versions tested *

```
```bash
```

```
react-native-maps 1.10.x
react-native-map-clustering ^3.4.1
expo-location ~15
```
```

* iOS?specific fixes *

- ? Use Google provider: ` - ? Pass a **stable** `initialRegion`; avoid changing `region` prop on every render.
 - ? Wrap markers in `AnimatedMarker` only when clustering disabled (RN 0.76 bug).
 - ? Disable Apple Maps fallback in `app.json`:
- ```
```json
```

```
"ios": { "config": { "googleMapsApiKey": "YOUR_IOS_KEY" } }  
...
```

? Test with ****Expo Dev Client****, not Expo Go ? Go is tied to an older SDK.

4. Supabase Schema & Security (v1)

```
-----  
```sql  
-- see full SQL in docs/architecture.md
create table bottles (?);
create table bottle_events (?);
alter table bottles enable row level security;
-- Public read policy
create policy "public bottles"
 on bottles for select using (is_private = false OR auth.uid() = creator_id);
...`
```

Edge functions run as ``edge_invoker`` and perform inserts/updates.

#### 5. Milestones & Claude Prompts

```

M1 Health screen + supabase client
M2 Explore map with realtime clustering
M3 Toss bottle flow (+ Edge function)
M4 Find & QR scan (+ Edge function)
M5 Feed & replies
M6 Auth + Profile
```

Use the ready-made prompts from kickoff dossier.

#### 6. Context File for AI Assistants

```

Create `docs/context.md` and paste **everything from this PDF** plus:
? API endpoints contract (`api-contract.md`)
? Styling tokens reference (`theme/tokens.ts`)
? Component naming conventions
```

Ask Claude/Cursor to **\*\*prepend\*\*** the file to every future prompt:

> **\*\*Always load docs/context.md before answering\*\***.?

#### 7. Expo SDK Compatibility

```

If Expo Go on iOS shows ?project built with newer SDK?, build a **custom dev client**:
```

```
```bash  
eas build --profile development --platform ios
```

```
eas build --install --platform ios
```

```
```
```

Now scan the QR with the dev client instead of Expo Go.

## 8. Secret Hygiene Checklist

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? ``.env*`` in ``.gitignore``

? Rotate leaked keys ? Supabase dashboard

? ``gitLeaks protect --staged`` pre?commit hook

? GitHub Actions secret scan on PRs

Keep these checks green from day 1 and you?ll never fight GitGuardian again.