**The recommendation for the prototype:**

**A**. **Interface and Layout Enhancements**

Findings: Users struggled to distinguish alert severity and found the layout repetitive.  
Suggestions:

* Add color-coded banners (🔴 Red = Danger, 🟠 Orange = Caution, 🟢 Green = Safe).
* Simplify the home screen: display only current condition + next 6 hours.
* Introduce large visual weather icons (sun, cloud, wind arrow).
* Include timestamp: “Updated 5 minutes ago (Data safe fisher data)”.

**B. Alert and Safety System**

Findings: Users trusted alerts but wanted them faster and more visible.  
Suggestions:

* Add push + vibration alerts for lightning and wind changes.
* Integrate audio warning: “⚠️ Storm approaching Darwin Harbour in 20 mins.”
* Link alerts directly to the nearest safe location with a “Get Directions” button.
* Provide one-click shelter info (e.g., “CDU Coastal Shelter – Open 24/7”).

**C**. **Personalization and Accessibility**

**Findings:** Parents and older users wanted more customized interaction.  
**Suggestions:**

* Leisure Fisherman Mode (wind + tide focus)
* Add **voice command** and **audio playback** for those with reading difficulties.
* Include **large-text / high-contrast mode** for seniors.

**The Wizard of Oz**

**Stage 1 – Checking the Weather**

**Moderator:  
“Imagine you’re planning to go fishing this morning. Can you check if the conditions are good using the app?”**

**Participant Action: Opens app → taps “Check Weather.”  
Wizard Response: “Wind: 12 knots SE, Tide: Rising, Temperature: 30°C – Safe for fishing.”  
Participant Reaction:**

**“That’s good, I like that it shows tide and wind both. I mostly check that first.”**

***Observation:* Participant appreciated simplicity and quick access to vital info.**

**Stage 2 – Sudden Storm Alert**

**Moderator:  
“Let’s say you’re already fishing and you see clouds. Try checking if it’s still safe.”**

**Participant Action: Taps “Alerts.”  
Wizard Response: “⚠️ Watch & Act: Strong wind warning near East Arm, expected in 2 hours.”  
Participant Reaction:**

**“That’s helpful. If I see this, I’ll start packing up. But I’d like if it makes a sound or flashes.”**

***Observation:* Fisherman values early warnings with audio or vibration cues.**

**Stage 3 – Locating the Nearest Shelter**

**Moderator:  
“Now, if the weather worsens, can you find where you should go for safety?”**

**Participant Action: Opens “Safety Locations.”  
Wizard Response: “Nearest shelter: CDU Coastal Shelter – 2.1 km away. Tap to get directions.”  
Participant Reaction:**

**“That’s great. If it can guide me straight there, even better.”**

***Observation:* Fishermen prefer direct navigation to safety locations through maps.**

**Stage 4 – Planning the Next Trip**

**Moderator:  
“Check when it might be good to go fishing again tomorrow.”**

**Participant Action: Uses “Best Fishing Time” feature.  
Wizard Response: “ Best time: 6:00–8:30 AM – Calm wind and high tide.”  
Participant Reaction:**

**“Nice. If that’s accurate, I’ll check this before I go every time.”**

***Observation:* Predictive insights (like “best time to fish”) make the app useful beyond safety, increasing engagement.**

**Stage 5 – Ending the Test**

**Moderator:  
“How easy was it to use the app?”  
Participant Feedback:**

**“Pretty clear. Just make sure it updates fast and gives alerts loudly. Maybe add a feature where I can save my favourite fishing spots.”**

***Observation:* User trusts the app but wants real-time refresh and personalized fishing spot memory.**