**🔸 CORS — Web ma khas issue**

**CORS (Cross-Origin Resource Sharing)** ek security feature che je browser ma active hoy.

**Problem:**

* Tame jyaare Flutter Web thi koi external API call karo cho (e.g. https://api.example.com/data), to browser check kare che ke:
  + Shu API server allow kare che Access-Control-Allow-Origin: \* ke nahi?
  + Jo nahi, to browser error aape:

pgsql

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Access to fetch at 'https://api.example.com' from origin 'http://localhost:xxxx' has been blocked by CORS policy.

**Solution:**

* 🔧 **Server side** CORS enable karvu pade. (Backend ma header add karo)

http

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Access-Control-Allow-Origin: \*

* ✋ Web thi direct call na karevu hoy to:
  + Ek **proxy server** vaparo.
  + Ya, **Firebase Functions / Cloud Functions** jema tame control kari sako.

**🔹 3. Debugging Difference**

| **Platform** | **Debug Tool** |
| --- | --- |
| Mobile | Android Studio / Xcode |
| Web | Chrome Dev Tools |

Web ma browser ni network tab pan API response ne debug karva ma useful che.

**🔹 4. Storage & Token Handling Difference**

| **Feature** | **Mobile App** | **Web App** |
| --- | --- | --- |
| Token Storage | shared\_preferences | shared\_preferences via web shim |
| Secure Storage | flutter\_secure\_storage | ❌ Not available on web |
| Best Practice | Store in memory or cookie | Avoid localStorage for sensitive data |

**🔚 Summary**

* **Code same** hoy che — Dart no HTTP package.
* **CORS** is the **biggest issue** in web.
* Web ma extra security and browser limitation ne dhyan ma rakhi ne API call design karvi.
* Server side control hoy to, web no API call experience improve kari sako.