**WhatsApp Web – High-Level Requirements (HLR)**

**1. User Authentication**

* Users should be able to authenticate by scanning a QR code using their mobile device.
* Session should remain active until manually logged out or expired.

**2. Chat Functionality**

* Users can send and receive messages in real-time.
* Support for text, emoji, attachments (images, documents, audio, video).
* Typing indicator for live communication.

**3. Media Sharing**

* Send/receive images, videos, documents.
* Preview of shared media before sending.
* Download option for received files.

**4. Notifications**

* Real-time desktop notifications for new messages.
* Audio and visual alerts.

**5. Chat Search**

* Search functionality within individual and group chats.
* Keyword highlighting in search results.

**6. Group Chats**

* Send messages to multiple users in a group.
* View group info and member list.
* Add or remove group members (if admin).

**7. Contact Info and Status**

* View contact profile pictures and status.
* Check last seen/online presence.

**8. Settings and Security**

* Option to log out.
* Access to linked devices.
* End-to-end encryption for all messages.