

# Flutter Interview Assignment – Cross-Platform Image Upload

## Objective

Build a Flutter app to upload images to Firebase and view them across Mobile and Web using Riverpod for state management.

## Problem Statement

Users should be able to pick an image, upload it to Firebase Storage, store metadata in Firestore, and view all uploaded images in a gallery on both Web and Mobile.

## Core Requirements

- Pick image (gallery on mobile, file picker on web).
- Upload to Firebase Storage.
- Store URL + timestamp in Firestore.
- Display images in grid/list with real-time updates.
- Use Riverpod for upload & gallery state.
- Works on Flutter Web and Mobile.

## Tech Stack

- Flutter (latest)
- Firebase Storage + Firestore
- Riverpod
- image\_picker (mobile), file\_picker (web)

## Submission & Evaluation

Submit a GitHub repo with README (setup + run web/mobile), screenshots/screen recording, and Firebase rules. Evaluation: code quality, architecture, Riverpod usage, error handling, cross-platform compatibility. Time: ~6–8 hours.