

UroRads: User Flows

Overview

UroRads has two distinct user types with separate flows: (1) Attending — upload and publish teaching cases, and (2) Learners — consume cases and interact via chat. No authentication required for either flow.

Flow 1: Attending Upload Flow

Step 1: CAPTURE

Attending opens app → taps "Add Case". Options: Snap photo (camera), Upload file, or Select from photo library.

Step 2: PROMPT (Optional)

Attending adds custom instruction to guide AI explanation. Examples: "Focus on the staghorn calculus", "Emphasize the cortical thinning", "Compare to what normal would look like". If left blank, default prompt is used.

Step 3: GENERATE

Attending taps "Generate Explanation". AI processes image + prompt → returns explanation covering: What the image shows, Key finding identification, Recognition features for learners, Radiology first principles applied.

Step 4: REVIEW & ITERATE

Attending reviews AI output. Options: Direct edit (manually modify text), Regenerate (provide new instruction, AI revises), Repeat until satisfied.

Step 5: APPROVE & PUBLISH

Attending taps "Approve". Case is saved permanently to library. AI auto-categorizes by pathology type. Case immediately available to all learners.

Screen States (Attending)

State	What's Shown
Home	"Add Case" button prominently displayed
Capture	Camera viewfinder / file picker / library access
Prompt Input	Image preview + text field for custom instruction
Generation	Loading state while AI processes
Review	Image (left) + AI explanation (right) + edit controls
Published	Confirmation message, option to add another case

Flow 2: Learner Flow

Step 1: OPEN APP

Learner opens UroRads. Lands on most recent case OR random case.

Step 2: VIEW CASE

Single screen layout: Left side shows CT slice image, Right side shows AI-generated explanation. Learner reads and studies.

Step 3: CHAT (Optional)

Below explanation: chat input bar. Learner can ask follow-up questions. AI responds with image + explanation in context. Multi-turn conversation supported.

Step 4: NAVIGATE

Bottom navigation bar (iOS-style buttons): NEXT — load next case, ARCHIVE — browse full case library.

Archive Flow (Branch from Step 4)

Grid or list of all cases. Auto-categorized by pathology (AI-generated tags). Tap any case → opens in View Case screen. Back button returns to archive.

Screen States (Learner)

State	What's Shown
Case View	Image (left) + explanation (right) + chat input (bottom) + nav buttons (bottom bar)
Chat Active	Same as Case View, chat thread expands above input bar
Archive	Scrollable list/grid of cases with category labels

Navigation Model

App Open → Case View (central hub). From Case View, user can: go to Archive (select case → returns to Case View), engage Chat (stays in Case View), or tap Next (loads new Case View).

Edge Cases & Notes

Scenario	Behavior
Empty library (first use)	Show "No cases yet" + prompt attendings to add first case
Chat without explanation	Chat always has case image + explanation as context
Large library	Archive view supports scroll; future: search/filter
Image upload fails	Error message, retry option
AI generation fails	Error message, retry option

