Problem Statement 1: Solution

Deliverables:

Title: Container Vulnerability Scanner - Product Requirements

Problem Summary: Users have thousands of container images. Some contain critical security issues, and they need a tool to identify and fix them easily.

User Goals: 1) See which images are vulnerable.

2) know how severe the issues are.

3) Prioritize which ones to fix.

4) Get suggestions on how to fix the problem.

Key Features: 1) Dashboard with summary.

2) List of all container images

3) Detailed view of each image

4) Filter and search.

5) Fix recommendations.

User Flow: User logs in -> sees dashboard -> clicks on an image -> views -> vulnerabilities -> filter to critical -> checks fix suggestions

Success Metrics: 1) Critical vulnerabilities fixed.

2) Time saved by users.

3) User satisfaction.

Wireframes: Below are the low-fidelity wireframes showing the Dashboard and Image Details page layout.
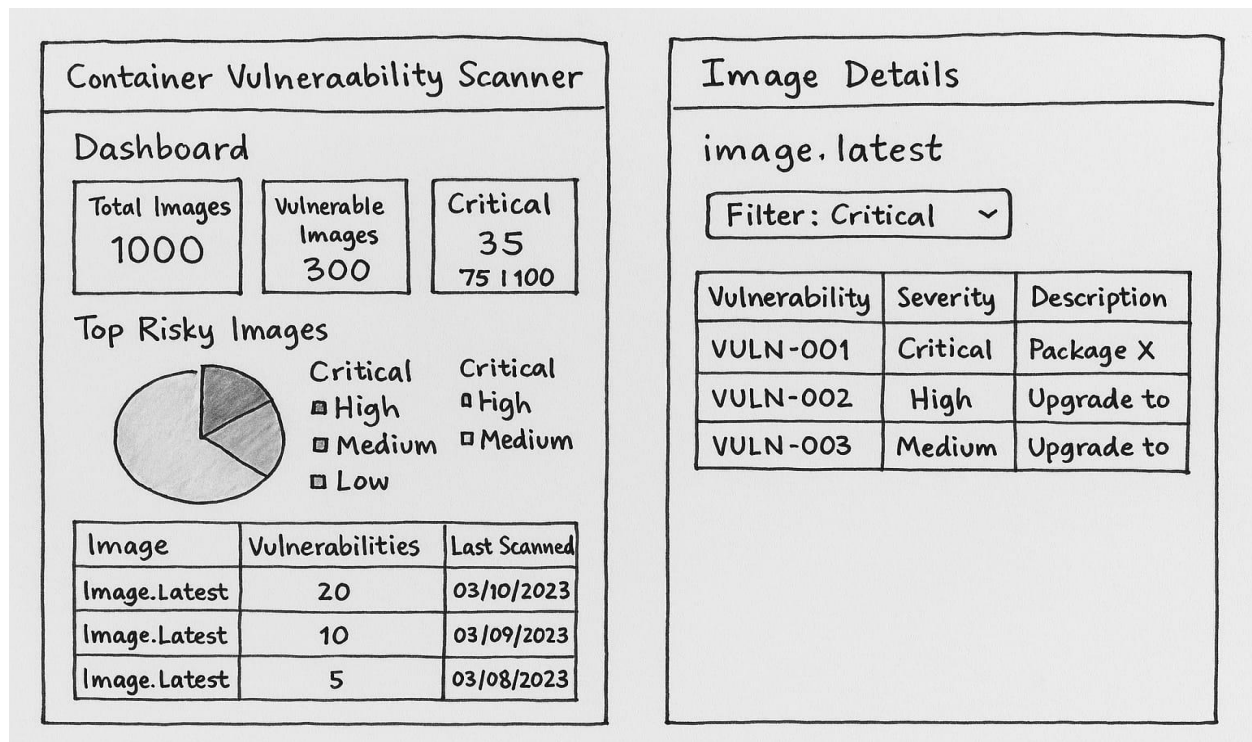

Figure: Dashboard Wireframe – showing overview and list of vulnerable images.