Dermatology AI: Identifying Skin Injuries and Determining Burn Degrees using Deep Learning

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Introduction

Important and Features of our project

❑ Accurate diagnosis

❑ Rapid intervention

❑ Improving patient care

❑ Remote accessibility

Tools and technologies

❑ Python programming language

❑ Pytorch framework

❑ YOLO algorithm

❑ FastAPI

System requirements

❑ Functional requirements

❑ Non-Functional requirements

System Design Specification

Signup

Email:

Name:

Password:

Confirm Password:

Signup

Already have an account? Login

Login

Name:

Password:

Login

Don't have an account? Sign up

Dermatology AI   Home

Dermatology AI

Instantly analyze your skin injury images using AI
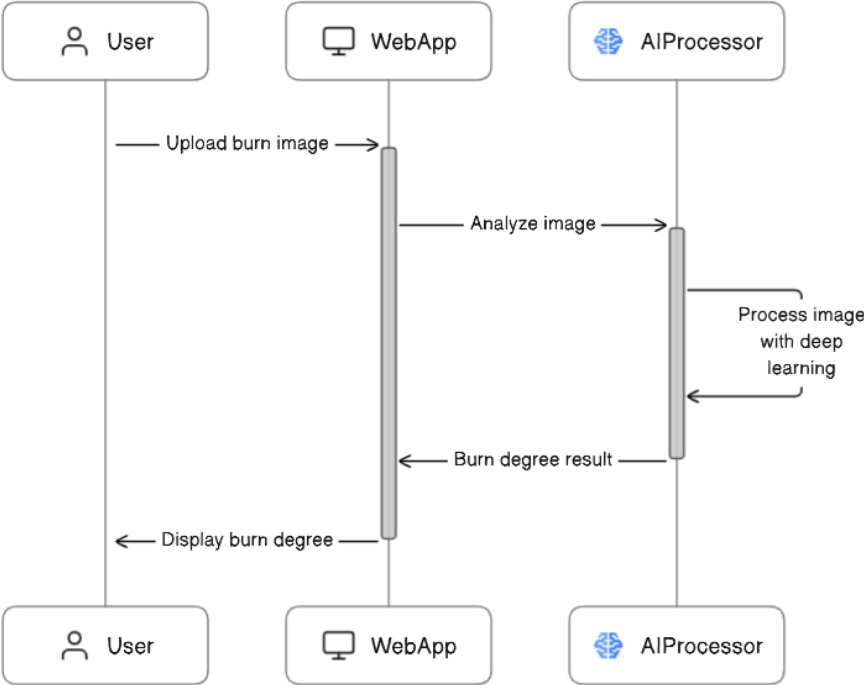
Upload your image to get started
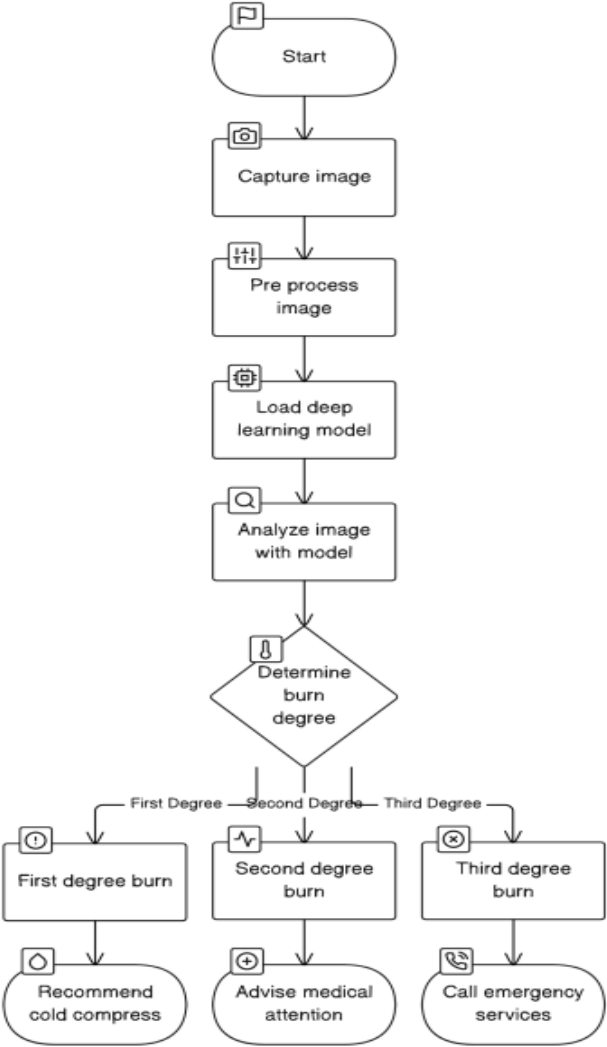
Choose File   No file chosen

Upload and Analyze

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Dermatology AI

Analysis Results

analysis show that you have burn from fisrt degree

Sequence Diagram

User — WebApp — AIProcessor

- Upload burn image →
- Analyze image →
- Process image with deep learning
- ← Burn degree result
- ← Display burn degree

Flow chart

Start → Capture image → Pre process image → Load deep learning model → Analyze image with model → Determine burn degree

- First Degree → First degree burn → Recommend cold compress
- Second Degree → Second degree burn → Advise medical attention
- Third Degree → Third degree burn → Call emergency services

THANK YOU