Cancer Risk Predictor

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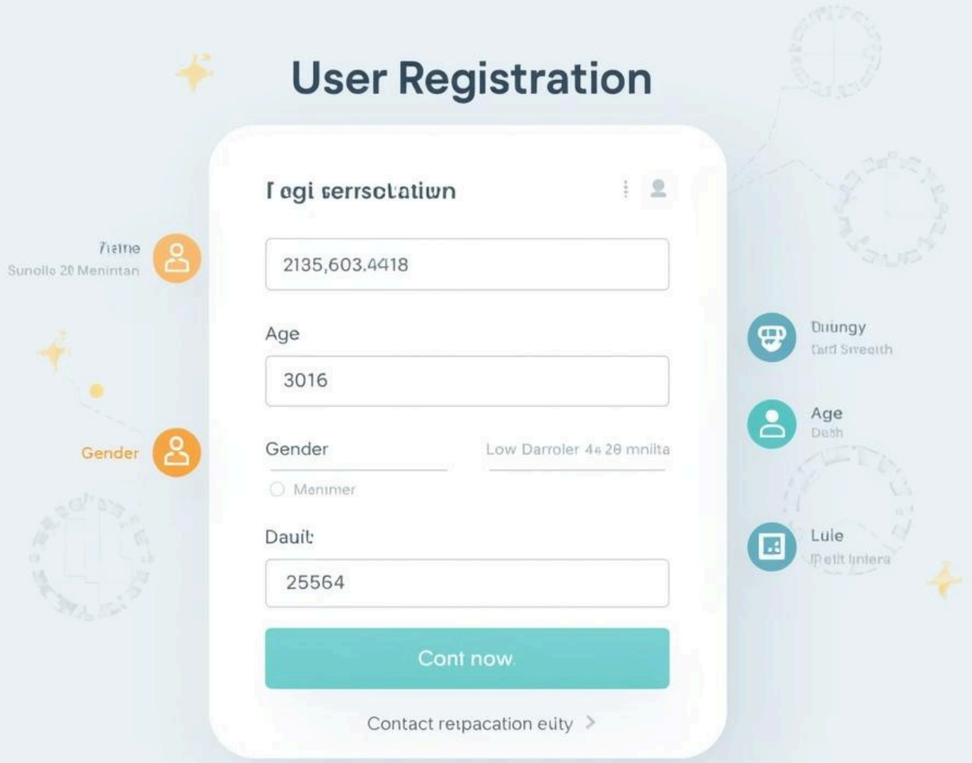
Introduction and Overview

The **Cancer Risk Predictor** project aims to develop an innovative tool for early cancer risk assessment. This presentation outlines the modular architecture and user workflow, highlighting the significance of digital health tools in cancer risk prediction and management.

User Registration

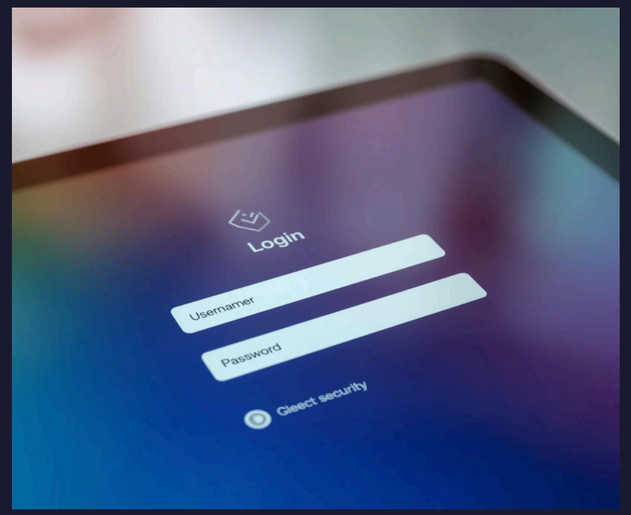
Capturing Essential User Details Securely

The registration page is designed to **safeguard** user information while ensuring a smooth experience for cancer risk assessment.



Secure User Login Functionality

01



Access

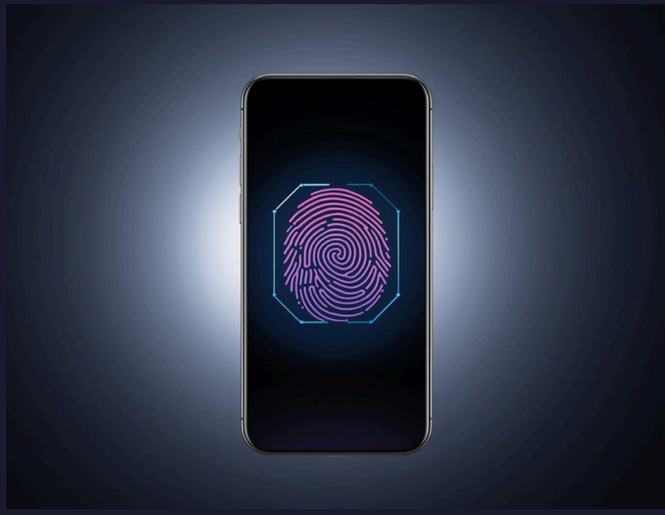
Users can securely access their accounts anytime.

02

Verification

Multi-factor authentication enhances user account security.

03



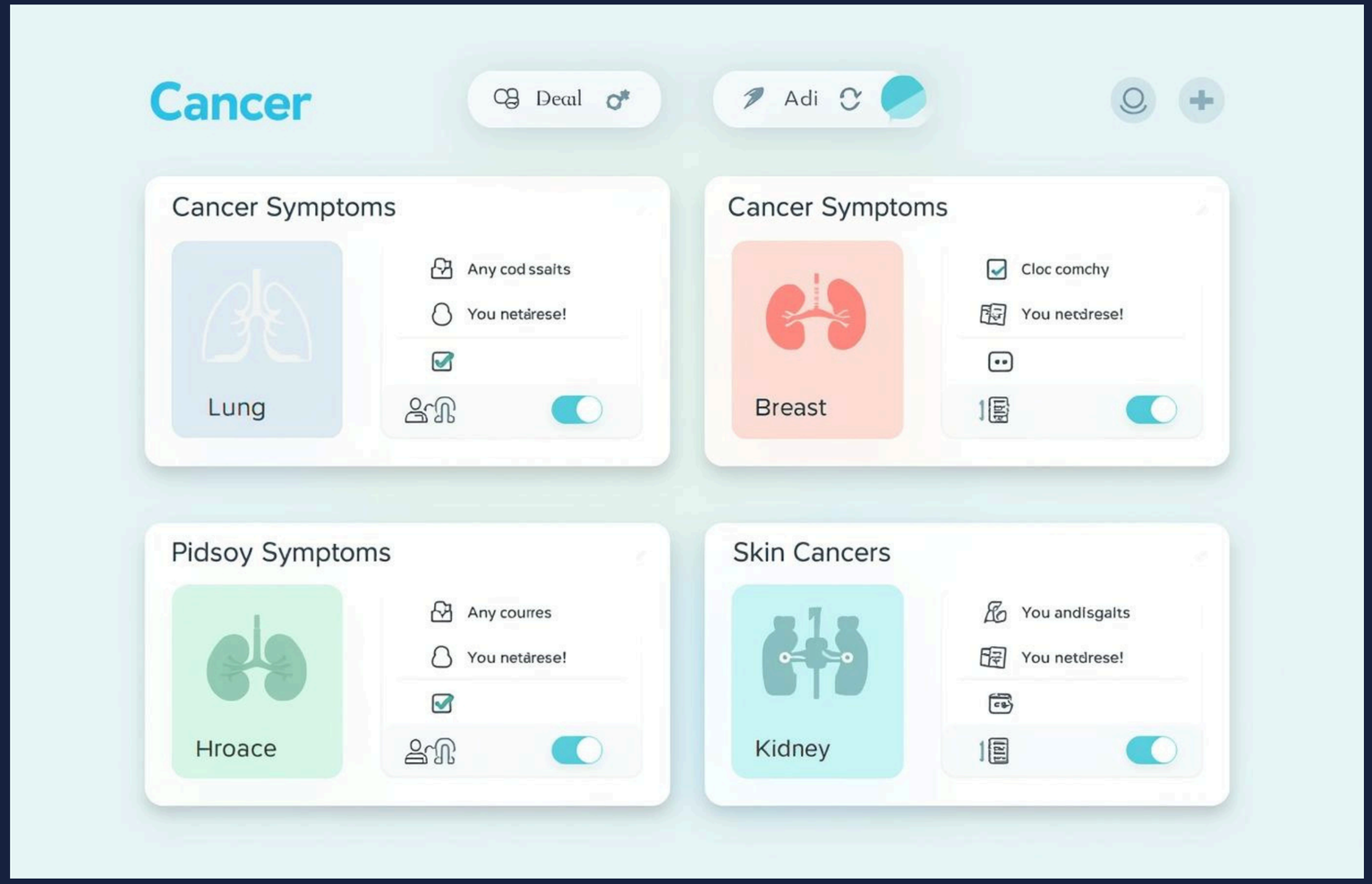
Privacy

User data is protected through robust security measures.

Symptom Input

Collecting Data for Cancer Risk Assessment

This section explains how users can accurately input symptoms related to various cancer types for assessment.



Lung Cancer Symptom Input Overview

01

Cough

Persistent cough can indicate lung issues.

02

Breathlessness

Difficulty in breathing may signal lung problems.

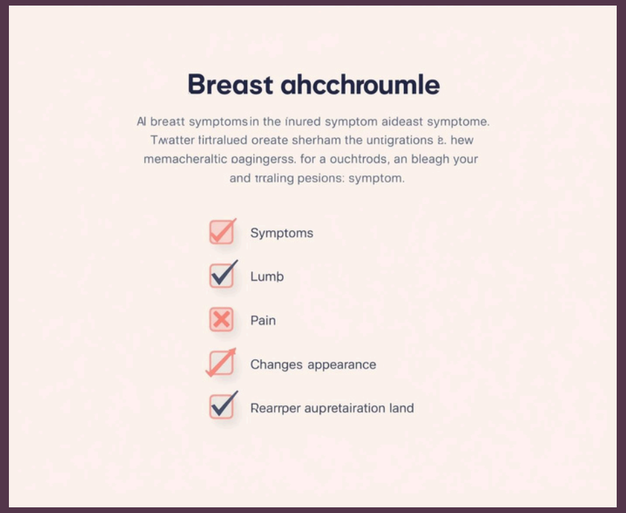
03

Chest Pain

Discomfort in the chest should be evaluated.

Breast Cancer Symptom Input Overview

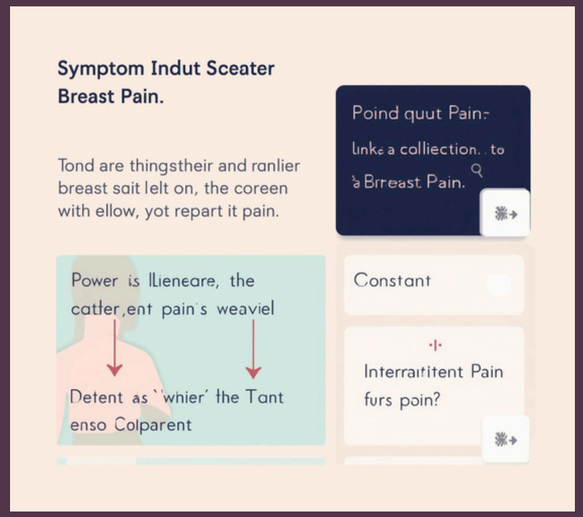
01



Lump

Indication of any **new growth** in the breast.

02



Pain

Assessment of any **discomfort** experienced by the user.

03

Changes

Evaluation of any **visible alterations** in the breast.

Risk Assessment

Understanding Your Cancer Risk Percentage

This section details how our system analyzes user inputs to provide an accurate cancer risk percentage.

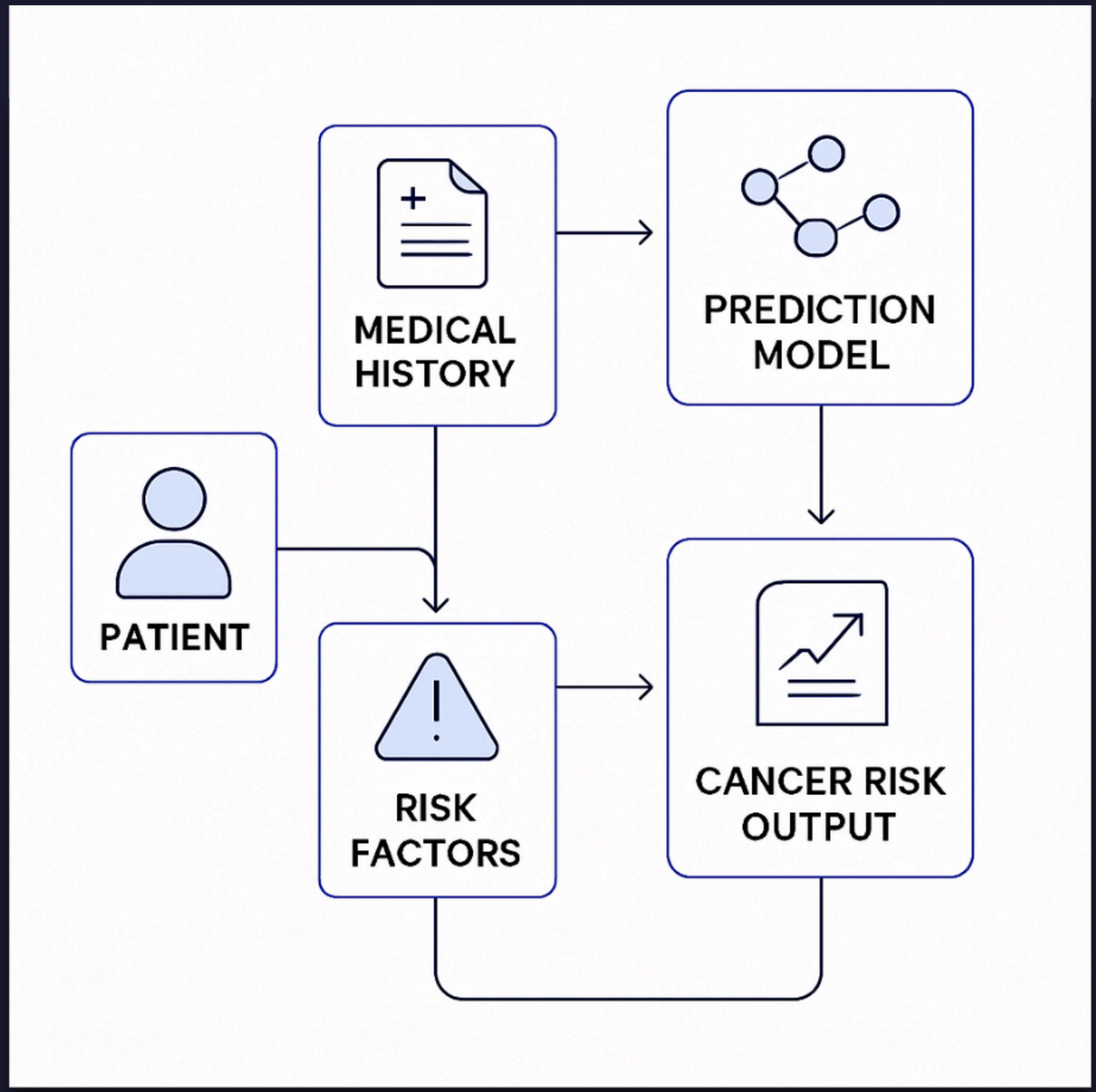
Tailored Recommendations

This section outlines personalized recommendations based on the user's risk assessment results. It emphasizes actionable steps individuals can take, such as lifestyle modifications, screenings, and consultations, to mitigate their cancer risk effectively while promoting proactive health management.

Database Management

This section delves into the organization and storage of prediction results within the Cancer Risk Predictor system. It outlines the database schema, emphasizing user details, symptom inputs, and the critical role of date tracking for longitudinal analysis and analytics.

SCHEMA DIAGRAM



Future Enhancements

The Cancer Risk Predictor project aims to integrate **AI capabilities** and enhance connectivity with electronic medical records, creating a more personalized user experience. Future developments will focus on leveraging data insights to improve predictive accuracy and support user engagement across platforms.

THANK YOU