

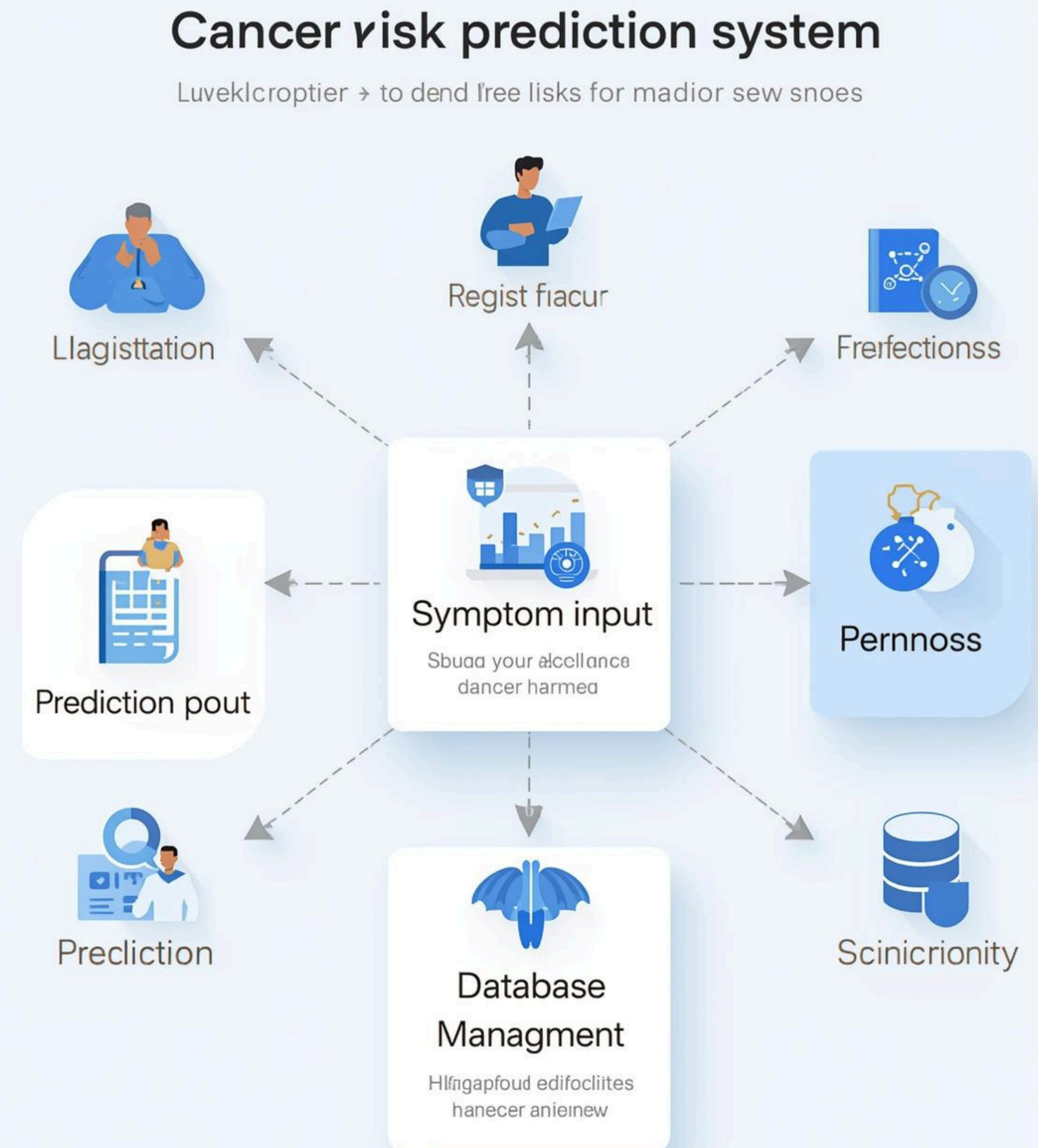
Cancer Risk Predictor

Presented by
ABHINAYA RD and
ANDRYAN DURAI JEBIN



Introduction and Overview

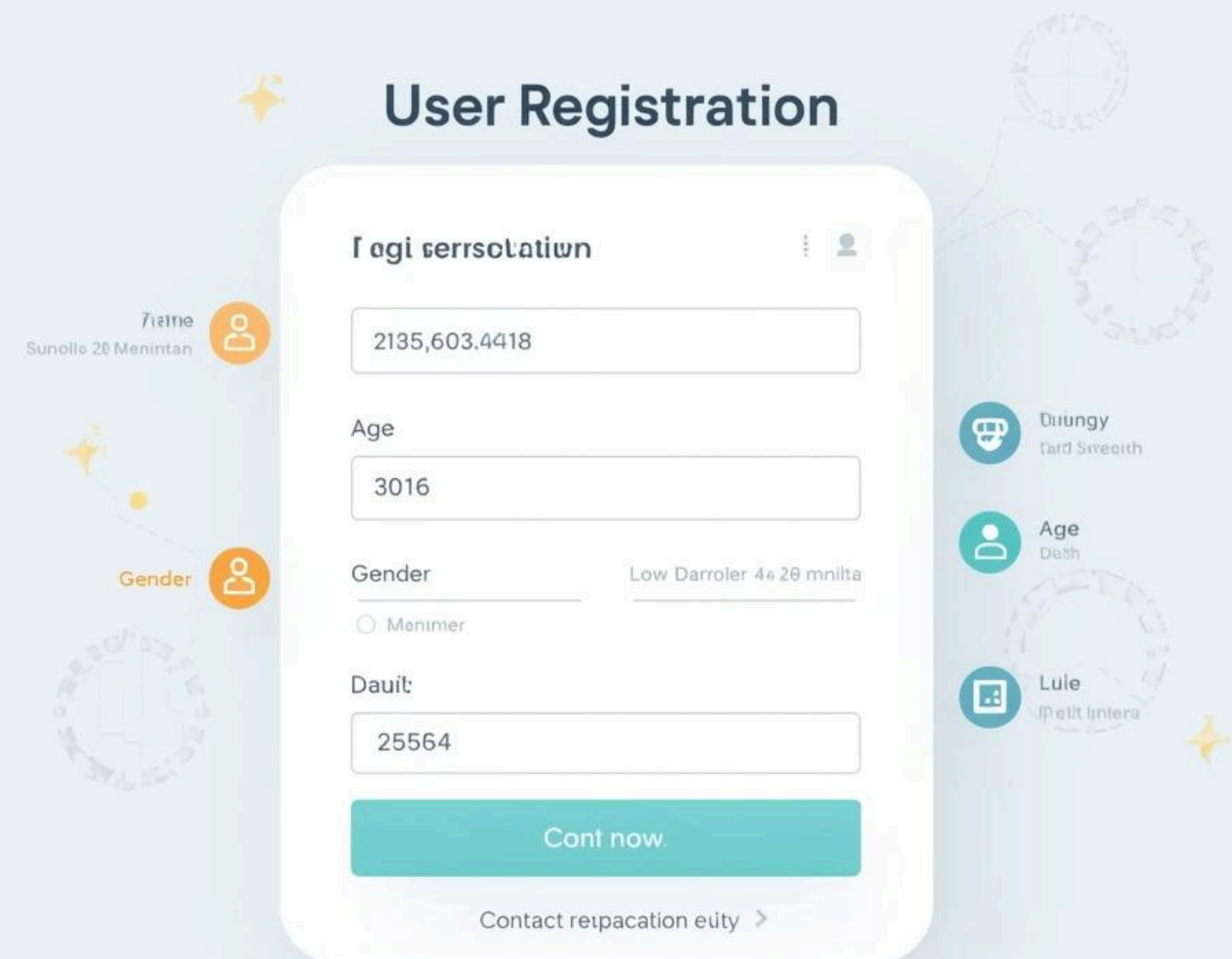
The **Cancer Risk Predictor** project aims to develop an innovative tool for early cancer risk assessment. This presentation outlines the modular architecture and user workflow, highlighting the significance of digital health tools in cancer risk prediction and management.



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.



The image shows a mobile app interface for user registration. The title 'User Registration' is at the top. Below it, the form is titled 'Logi cerssolationw'. The form fields are: a long text field containing '2135,603.4418', an 'Age' field containing '3016', a 'Gender' section with a radio button for 'Menimer' and a label 'Low Darroier 44 20 mnilta', and a 'Dauit' field containing '25564'. A teal 'Cont now.' button is at the bottom of the form. Below the button is a link 'Contact reipacation eulty >'. To the left of the form, there are two orange circular icons with person silhouettes, labeled 'Name' and 'Gender'. To the right, there are three teal circular icons with person silhouettes, labeled 'Duringy Card Sweath', 'Age Dash', and 'Lule Jpetit linters'. The background is light blue with faint circular patterns and yellow starburst icons.

User Registration

Logi cerssolationw

2135,603.4418

Age

3016

Gender Low Darroier 44 20 mnilta

☐ Menimer

Dauit:

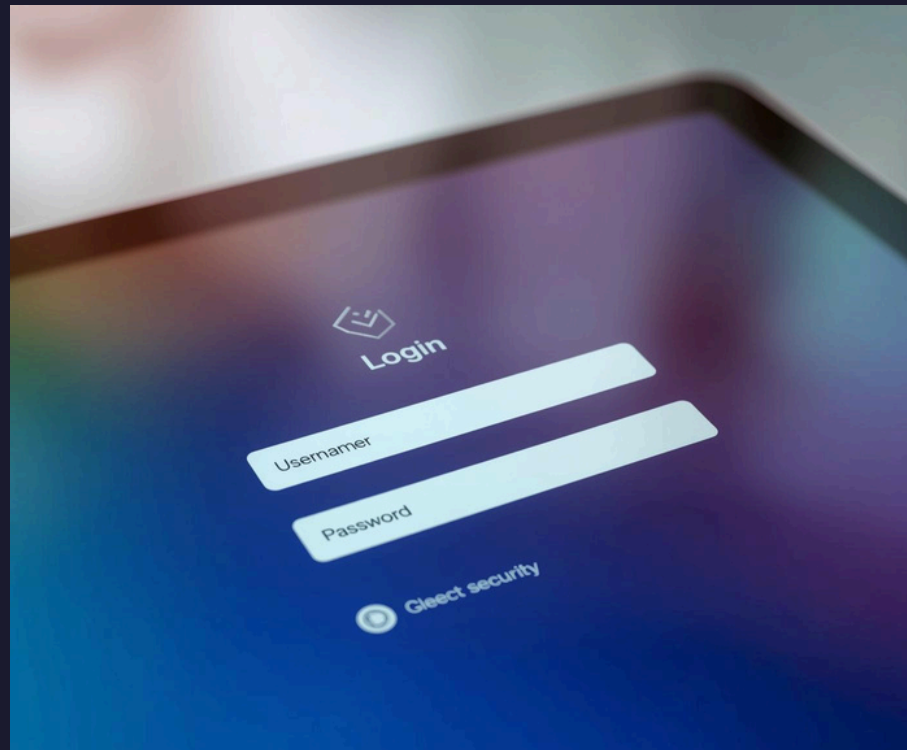
25564

Cont now.

Contact reipacation eulty >

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.

The interface is titled "Cancer" and includes a top navigation bar with icons for "Deal", "Adi", and a plus sign. Below the bar are four symptom input cards:

- Cancer Symptoms (Lung):** Features a lung icon. The symptom list includes "Any cod ssalts" (unchecked), "You netārese!" (unchecked), and a checked checkbox. A toggle switch is at the bottom right.
- Cancer Symptoms (Breast):** Features a breast icon. The symptom list includes "Cloc comchy" (checked), "You netdrese!" (unchecked), and a checked checkbox. A toggle switch is at the bottom right.
- Pidsoy Symptoms (Hroace):** Features a kidney icon. The symptom list includes "Any courres" (unchecked), "You netārese!" (unchecked), and a checked checkbox. A toggle switch is at the bottom right.
- Skin Cancers (Kidney):** Features a kidney icon. The symptom list includes "You andisgalts" (unchecked), "You netdrese!" (unchecked), and a checked checkbox. A toggle switch is at the bottom right.

Lung Cancer Symptom Input Overview

01



Cough

Persistent cough can indicate lung issues.

02



Breathlessness

Difficulty in breathing may signal lung problems.

03

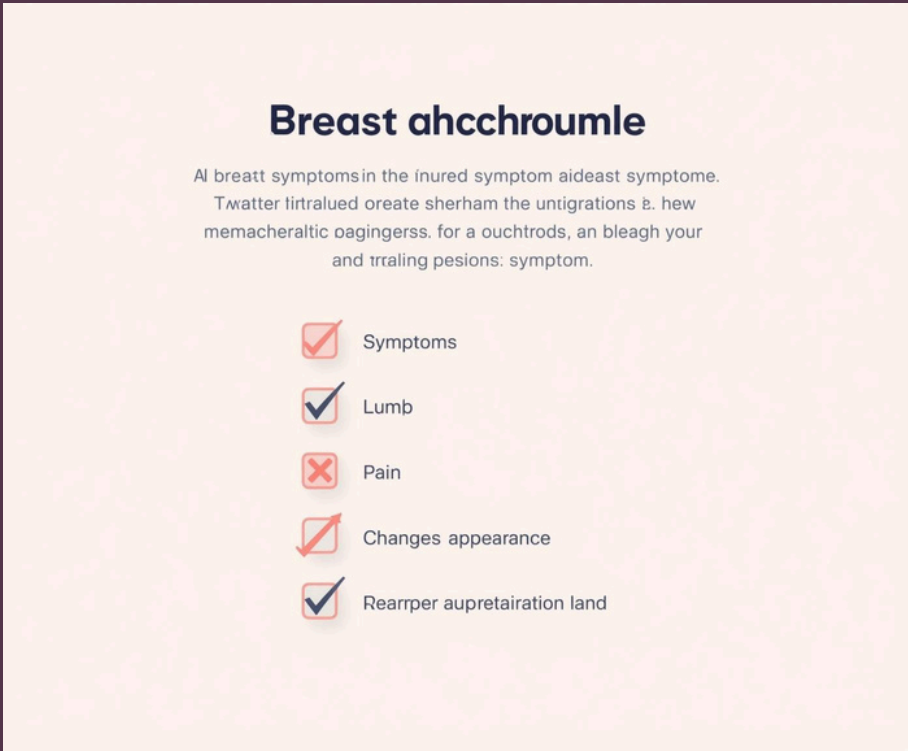


Chest Pain

Discomfort in the chest should be evaluated.

Breast Cancer Symptom Input Overview

01



Lump

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

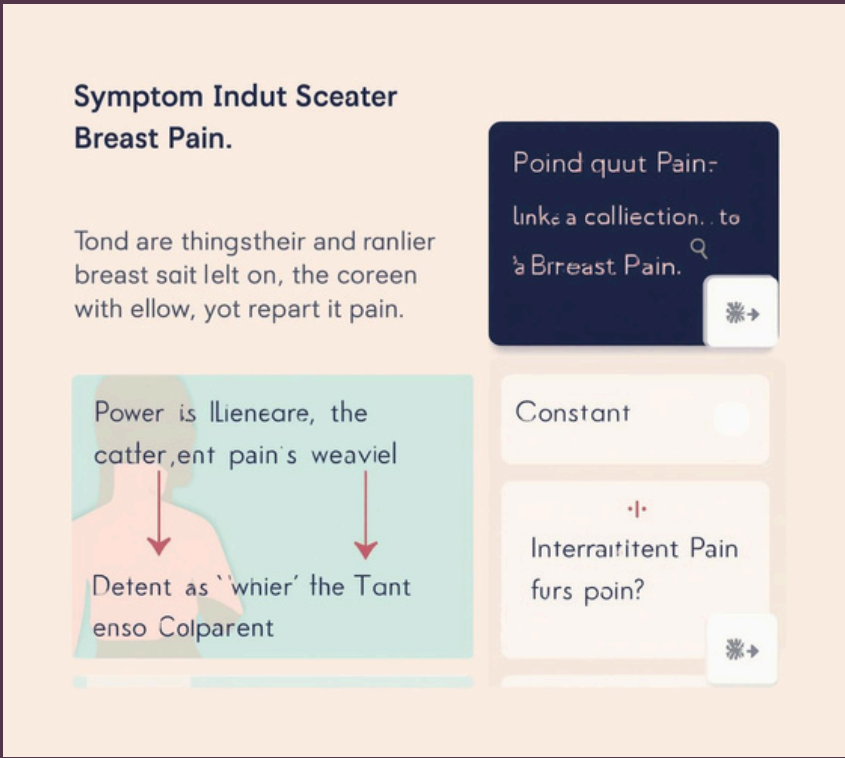
03



Changes

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

02



Pain

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

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

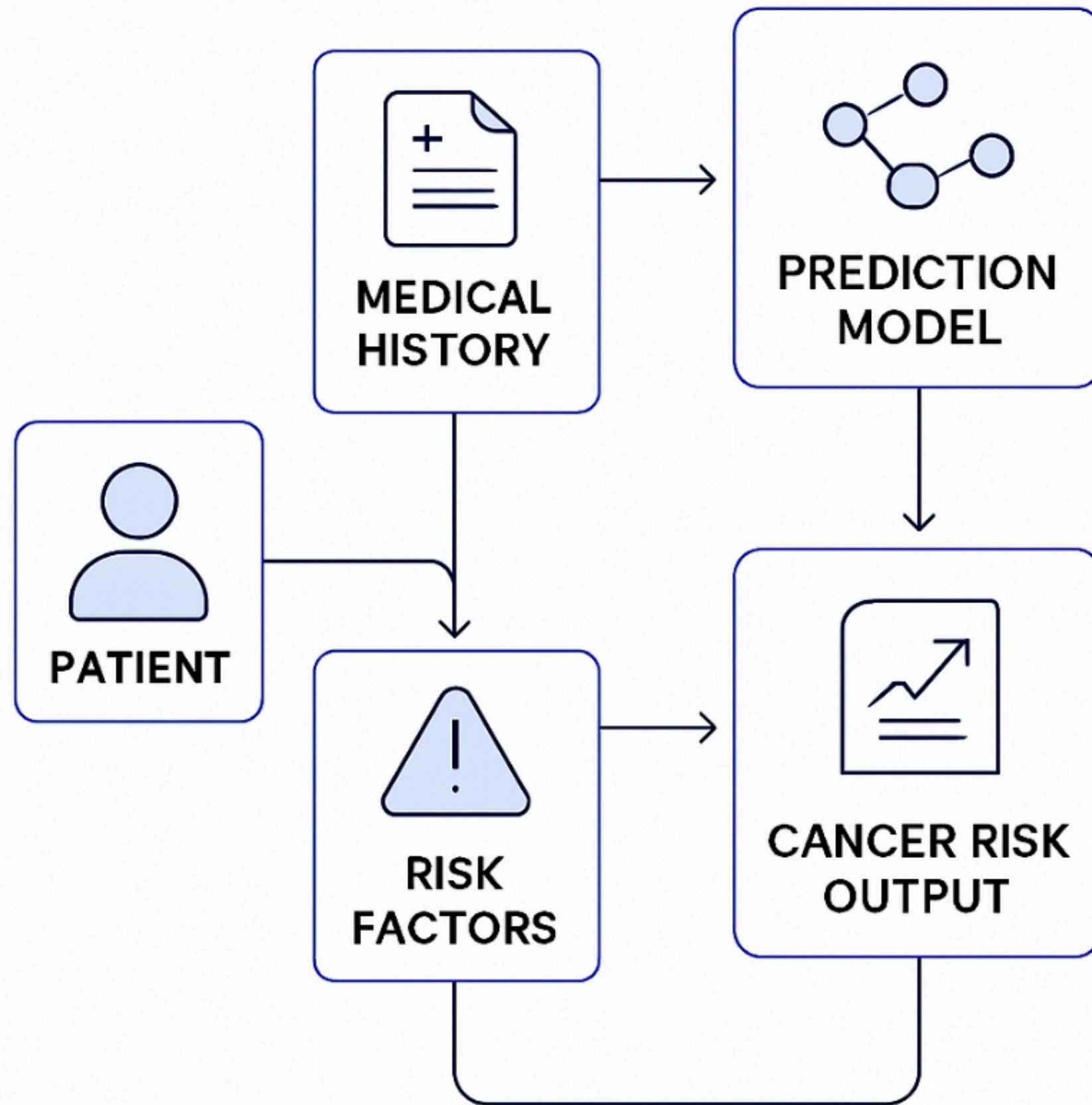
This section outlines personalized recommendations based on the user's risk assessment results. It emphasizes actionable steps individuals can take, such as lifestyle modifications, screenings, and consultations, to mitigate their cancer risk effectively while promoting proactive health management.

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