



Diabetes Risk Screening and Lifestyle Intervention Tracker

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PROBLEM STATEMENT

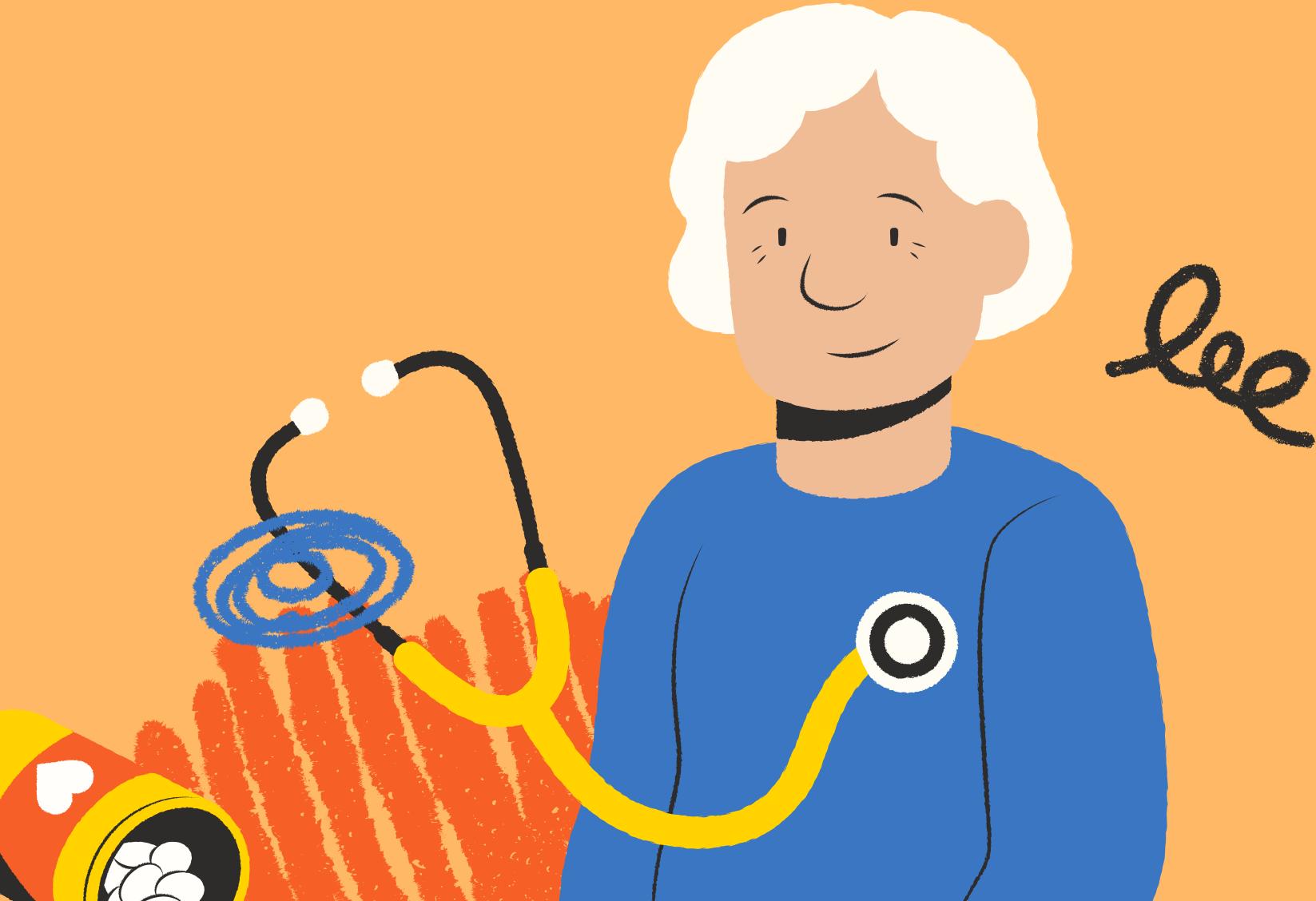
The application conducts screenings to identify individuals at high risk of diabetes based on age, blood pressure, and medical history.

It monitors health parameters through staged interventions to support at-risk participants.

Weekly assessments and visual performance graphs are used to evaluate the impact of the interventions.

The application identifies adverse events promptly and offers personal coaching and nutritionist support for individualized care.

Stakeholders and their Contributions



STAKEHOLDERS

- **System Administrator:** Oversees network, enterprise, and admin management.
- **Doctors and Visitors:** Diagnose and assign tests to patients.
- **Screening and Radiology:** Conduct and upload test results.
- **Research Scientists and Assistants:** Manage insulin shots and track phases of treatment.
- **Coach and Nutrition:** Guide at-risk individuals through recovery.

CONTRIBUTIONS

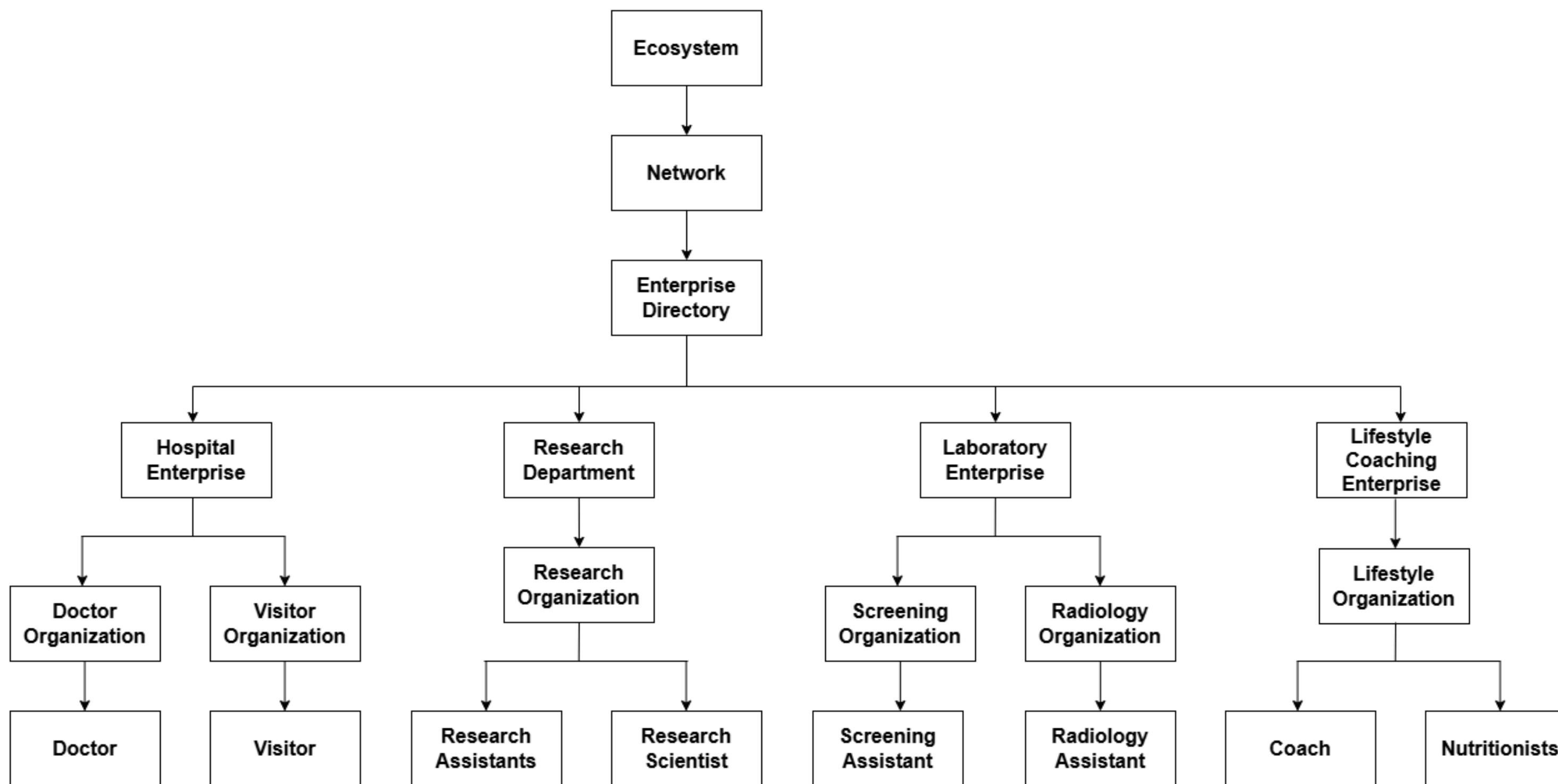
Unified coordination among stakeholders ensures accurate diagnostics, effective treatment, and lifestyle improvements.

Functional Flow

- Admin logs in to manage networks and enterprises.
- Doctors receive patient data and assign tests.
- Lab Assistants upload results.
- Research team manages insulin shots and tracks phases.
- Failed cases are assigned to lifestyle coaches for recovery guidance.



System Architecture



USE CASES

MASS EMPLOYEE HEALTH SCREENING:

- Corporate healthcare department uses an app to screen 500 employees for diabetes risk.
- Healthcare Facility assigns risk categories and intervention programs based on mass screening data.

RURAL HEALTH CAMP MANAGEMENT:

- Mobile healthcare units deploy apps for village diabetes screening camps.
- Central Laboratory processes samples collected from remote locations and updates the system.

UNIVERSITY RESEARCH STUDY:

- The Research Department tracks 1000 participants across different intervention methods.
- Exercise Program Team and Lifestyle Coaching Unit input data from multiple university centres.

Conclusion

- The Diabetes Risk Screening and Lifestyle Intervention Tracker offers a unified solution to tackle diabetes management comprehensively.
- It integrates early risk detection, efficient diagnostics, advanced research, and lifestyle coaching in one system.
- By bridging gaps between stakeholders, the application ensures better health outcomes, minimizes risks, and promotes long-term recovery.



**THANK
YOU**