

Decentralized Patient Data for Pathology Labs with ease of access

Project Name: Insta-Labs

Value Proposition: Insta-Labs is a decentralized pathology data platform built on Solana, designed to create a transparent and accessible healthcare ecosystem. We empower users to access their lab reports anytime, anywhere, provide small pathology labs with affordable and fuss-free tools, and enable seamless data sharing through automated solutions. With PathoChain, patients gain control over their health data, labs save time and costs, and the healthcare ecosystem becomes more efficient and trustworthy.

Product-Market Fit: The current pathology data landscape is fragmented, with users struggling to access their lab reports easily and small labs lacking affordable digital tools. PathoChain addresses these challenges by leveraging Solana's blockchain to create a seamless, transparent, and cost-effective platform. We cater to users who want instant access to their health data, small labs seeking affordable solutions, and providers looking for automated, time-saving tools—making healthcare data management simpler and more accessible for everyone.

Target User Profiles:

- **The Health-Conscious User:**
 - **Demographics:** Typically individuals aged 25-50, located in urban and semi-urban areas with access to healthcare facilities
 - **Interests:** Personal health management, digital health tools, preventive care, and seamless access to medical records.
 - **Motivations:** Seeking easy and instant access to their pathology reports, comparing lab test prices, and maintaining a centralized health record. Frustrated with the inconvenience of visiting hospitals or labs repeatedly to collect reports.
- **The Community-Focused Publisher:**
 - **Demographics:** Typically small to medium-sized lab owners aged 30-55, located in tier-2 and tier-3 cities with limited access to advanced digital tools (e.g., Jaipur, Lucknow, Ahmedabad, Pune).
 - **Interests:** Affordable tech solutions, operational efficiency, patient satisfaction, and expanding their customer base.
 - **Motivations:** Looking for a cost-effective, easy-to-use app to manage lab data, reduce manual work, and attract more patients. Frustrated with expensive, complex software and the lack of affordable digital solutions tailored to small labs.

User Stories:

User 1: Deepika Sharma

- **Priority:** High
- **User Persona:** Patient of Bansal Hospital, Bhopal.
- **Goal:** Access your labs report faster, with just one Unique ID.
- **User Story:** As a user, I want to access my pathology lab data using only my Unique ID so that I don't have to go through multiple auth. steps like other apps.
- **Functionality:** The platform should allow me to:
 - The system will allow users to input their unique registration ID.

- The system will fetch and display the user's pathology lab data associated with the registration ID.
- No additional authentication steps (e.g., OTP, email verification) will be required.
- **User Interaction:** I should be able to:
 - User opens the app.
 - Users enter their unique registration ID.
 - The app fetches and displays the user's pathology lab data.

User 2: Shreyansh Kaushik

- **Priority:** High
- **User Persona:** Patient of AIIMS Hospital, Bhopal.
- **Goal:** Get your lab reports online, no hospital visits needed.
- **User Story:** As a user, I want to access my pathology lab test reports from big hospitals on a web-based app so that I don't have to visit the hospital to get my data.
- **Functionality:** The platform should allow me to:
 - The system will integrate with hospital databases to fetch pathology lab test reports.
 - Users can view, download, or share their reports directly from the app.
 - The app will ensure data security and privacy during the transfer and storage of reports.
- **User Interaction:** I should be able to:
 - User logs into the app.
 - User selects the hospital from which they want to access their pathology reports.
 - The app fetches and displays the reports.
 - Users can download or share the reports as needed.

User 3: Kanishk Upadhyay

- **Priority:** Medium
- **User Persona:** Patient of JK super-speciality hospital, Bhopal.
- **Goal:** Compare lab test prices and choose the best one for you.
- **User Story:** As a user, I want to compare the rate lists of different pathology labs for various tests so that I can choose the most cost-effective option.
- **Functionality:** The platform should allow me to:
 - The system will maintain a database of pathology labs and their rate lists for different tests.
 - Users can search for specific tests and compare rates across multiple labs.
 - The app will display the results in a user-friendly comparison table.
- **User Interaction:** I should be able to:
 - User opens the app and navigates to the rate comparison feature.
 - User selects the test they want to compare.
 - The app displays a list of pathology labs offering the test along with their rates.
 - Users can sort or filter the results based on price, location, or ratings.

Provider/Publisher 1: Rahul Thakur

- **Priority:** High
- **User Persona:** Owner of Metropolis Pathology Labs, Bhopal.
- **Goal:** Simple, affordable app for small labs, no fuss needed.
- **User Story:** As a small pathology lab owner, I want a simple and cost-effective app to manage and share lab data so that I can focus on my core operations without dealing with unnecessary complexity.
- **Functionality:** The platform should have:
 - A lightweight, easy-to-use app for small labs.
 - Basic features like uploading test reports, managing patient data, and sharing reports.
 - Affordable pricing with no hidden costs.
- **User Interaction:** Lab owner should be able to:
 - Sign up for the app.
 - Uploads test reports and patient data.
 - The app automatically organizes and shares the data with patients.

Provider/Publisher 2: Gyanendra Purohit

Priority: Medium

- **User Persona:** Employ at Anish Path. Labs, Bhopal.
- **Goal:** Pay monthly, cancel anytime—no strings attached.
- **User Story:** As a Web3 user, I want to earn crypto by actively engaging with NFT ads and providing valuable feedback.
- **Functionality:** The platform should have:
 - Subscription-based pricing with no long-term contracts.
 - Affordable monthly plans tailored for small and medium labs.
 - Easy cancellation process without penalties.
- **User Interaction:** I should be able to:
 - Select a monthly subscription plan.
 - Use the app and pay monthly.
 - Cancel the subscription anytime through the app.

Provider/Publisher 3: Anam Khan

- **Priority:** Medium
- **User Persona:** Employ at Dr. Lal Pathology Labs, Bhopal.
- **Goal:** Upload PDFs or Excel, we handle the rest—save time, pay a little extra.
- **User Story:** As a pathology lab provider, I want to send PDF or Excel files for data entry instead of manually filling out details, and I'm willing to pay extra for this convenience.
- **Functionality:** The platform should have:
 - A feature to upload PDF or Excel files containing lab data.
 - Automated data extraction and entry into the app.
 - Optional paid service for manual data entry support.
- **User Interaction:** I should be able to:
 - Upload a PDF or Excel file with lab data.
 - Automatically extract and organise the data.
 - Review and confirm the data.
 - Pay extra for manual data entry if needed.

Conclusion

The process of defining user and publisher stories has helped us create a clear and actionable roadmap for Insta-Labs. Here's why these stories are effective:

- **Focused Problem-Solving:** Each story addresses a specific pain point, whether it's users struggling to access their lab reports or small labs needing affordable digital tools. This ensures the platform delivers targeted solutions.
- **Simplified User Experience:** By minimizing complexity—like reducing authorization steps for users and automating data entry for labs—we've prioritized ease of use for all stakeholders.
- **Affordability and Flexibility:** The stories highlight the importance of cost-effective solutions for small labs, with flexible pricing and optional paid services, making the platform accessible to a wider audience.
- **User-Centric Design:** Detailed user and publisher profiles provide a deeper understanding of their needs, motivations, and challenges, ensuring the platform is built with their priorities in mind.

By refining these stories, we've laid a strong foundation for PathoChain to deliver a seamless, transparent, and user-friendly experience for both patients and pathology labs, ultimately transforming how healthcare data is managed and accessed.